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May 10, 2019

Mr. Ed Ralston
Program Manager – Remediation Management
Phillips 66 Company
76 Broadway
Sacramento, CA, 95818

RE: Well Installation Report
Phillips 66 Facility No. 2701476 (AOC #2063)
12660 First Avenue South
Seattle, Washington
ATC Project No. Z076000070
Washington State Department of Ecology VCP No. NW2718

Dear Mr. Ralston:

ATC Group Services LLC (ATC) is pleased to submit this Well Installation Report to Phillips 66 Company (Phillips 66) for the above referenced facility, located at 12660 1st Avenue South in Seattle, Washington (Site) (**Figure 1**). The objective of the work was to decommission 6 existing monitoring wells, and install 14 new monitoring wells at the Site.

The report documents ATC's field observations, sample collection methods, and presents analytical results. This report briefly describes the Site and references the Site's environmental history. The report then documents ATC's soil and groundwater exploration and sample collection methods, and presents the analytical results. The report includes tables, figures and appendices, pertinent to the data collected during the field activities.

SITE DESCRIPTION

The Site is currently operating as a 76 branded retail gasoline station located on the northeast corner of 1st Avenue South and SW 128th Street in Seattle, Washington. The Site is located in King County in Section 8; Township 23 North; Range 4 East, in an area of residential and commercial development.

Current facilities at the Site include the gasoline station (which includes a convenience store), two fuel dispenser islands, each covered with a canopy, and one 12,000-gallon and two 10,000-gallon capacity underground storage tanks (USTs) containing unleaded gasoline. The remainder of the Site is covered with asphalt or concrete except for landscaped areas along the northern and eastern property boundaries (**Figure 2**).

Surrounding properties include a commercial building to the north, two residences and a vacant residential lot to the east, SW 128th Street to the south, beyond which is a restaurant, and 1st Avenue South to the west, beyond which is an Albertson's Grocery store and associated fueling station. The area is zoned as neighborhood center.

SITE HISTORY

The property was first developed as a gasoline and automobile service station facility in 1966, although first generation USTs were installed in December 1964 and January 1965. Site ownership history prior to 1996 is unknown. Circle K Corporation owned the site from at least 1996 until the end of 1999 at which time Tosco Corporation became the property owner. ABC Pacific Corporation bought the property (date unknown) and sold the property to Silverlake Ventures II, Inc. in December 2003. Juns Investment Inc. is listed as the current property owner.

Prior to 1966 a residence reportedly existed at the northern portion of the Site. A UST containing heating oil was encountered in January 1992 during trenching activities associated with fueling system upgrades. The heating oil UST was subsequently decommissioned by removal. An unknown volume of contaminated soil was removed by excavation during the decommissioning activities. Over-excavation activities were performed until confirmation soil sample analytical results were below laboratory reporting limits. The location of the former heating oil UST is shown on **Figure 2**.

According to Ecology's Toxics Cleanup Program Web Reporting Databases, one 500-gallon waste oil UST was installed in December 1964, one 6,000-gallon leaded gasoline UST, one 8,000-gallon unleaded gasoline UST, and one 10,000-gallon unleaded gasoline UST were installed in January 1965. Additionally, one 6,000-gallon unleaded gasoline UST was installed in January 1976. The location of the former gasoline USTs and waste oil UST are shown on **Figure 2**.

In 1992, four gasoline USTs including two 6,000-gallon capacity, one 8,000-gallon capacity, and one 10,000-gallon capacity tanks, were removed from the central portion of the Site during fueling facility upgrades.

In July 1995, two 500-gallon USTs, one containing used oil, the other containing heating oil, were decommissioned by removal. The used oil UST was located north of the convenience store building and the heating oil UST was located south of the convenience store building. The installation and in-service dates of these two USTs are unknown.

Current facilities at the Site include the gasoline station (which includes a convenience store), two fuel dispenser islands, each covered with a canopy, and one 12,000-gallon and two 10,000-gallon capacity underground storage tanks (USTs) containing unleaded gasoline. The current USTs are located in the former UST basin. The remainder of the Site is covered with asphalt or concrete except for landscaped areas along the northern and eastern property boundaries (**Figure 2**).

REGULATORY STATUS

Evidence of a gasoline release was first documented during the first generation UST removal activities in 1992. Gasoline-impacted soil and groundwater were reported to Ecology and the property was listed with Ecology's Leaking UST (LUST) program and assigned LUST ID 1571. The LUST status with Ecology, as of January 1995, is listed as "Cleanup Started." The property was entered into Ecology's VCP in April 2013 and was assigned VCP No. NW2718.

PREVIOUS INVESTIGATIVE AND REMEDIAL ACTIONS

Multiple investigations of soil have been conducted at the property between 1992 and 2012. The locations of all soil borings and samples collected during the previous investigation activities at the property are shown on **Figure 2**. A summary of historical soil data is summarized on **Table 1,** and depicted on **Figure 3**. Historical groundwater data is summarized on **Table 2**.

During the 1992 UST removal actions, confirmation soil samples were collected from the limits of the UST excavation pit. Analytical results from confirmation soil samples concentrations of petroleum hydrocarbons above the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs). Based on these results, approximately 1,400 cubic yards of petroleum-impacted soil was over-excavated beneath the northern 6,000-gallon UST to a depth of approximately 15 feet below ground surface (BGS) and the southern dispenser island to a depth of 13 feet BGS. Analytical results from confirmation soil samples collected from the over-excavation limits of the 6,000-gallon UST indicated concentrations of petroleum hydrocarbons less than the MTCA Method A CULs. Analytical results from confirmation soil samples collected from the over-excavation limits of the southern dispenser island (south of the current western dispenser and slightly southwest of previous boring B-1) indicated concentrations of petroleum hydrocarbons greater than the MTCA Method A CULs.

In April and May 1992, a site assessment was conducted which included drilling five borings (B-1 to B-5) for the collection of soil samples and the installation of monitoring wells. Boring B-3 was completed as well GW-2 and boring B-5 was completed as well GW-1 (shown on **Figure 2**). The remaining borings are identified as B-1, B-2 and B-4. Analytical results indicated concentrations of petroleum hydrocarbons above MTCA Method A clean up levels in soil samples from borings B-1, B-3, and B-4. Petroleum hydrocarbon constituents above MTCA Method A clean up levels were detected in groundwater samples collected from wells GW-1 and GW-2. Light non-aqueous phase liquid (LNAPL) was observed in well GW-2.

In 1994 and 1995, a total of 11 additional soil borings were advanced on- and off-site to depths between 75 and 94 feet BGS. Ten of the 11 borings were completed as monitoring wells (identified as GW-3 through GW-12). The remaining boring was completed as an air sparge well (identified as AS-1). LNAPL was observed in monitoring wells GW-2 and GW-6. In March and May 1994, LNAPL recovery programs were initiated for GW-2 and GW-6. In May 1994, an air sparge/soil vapor extraction (AS/SVE) pilot test was conducted at the site. Construction information for all historical wells is summarized on **Table 3**.

In July 1995, two 500-gallon USTs, one containing used oil, the other containing heating oil, were decommissioned by removal. The used oil UST was located north of the convenience store building and the heating oil UST was located south of the convenience store building. The installation and in-service dates of these two USTs are unknown. Heavy oil-range hydrocarbons were not detected in any of the confirmation soil samples collected from the excavation limits.

In August 1995, an aquifer pumping test was conducted to evaluate the feasibility of a groundwater pump and treat system, and a percolation test was conducted to evaluate the feasibility of an infiltration trench as a means of effluent discharge. Both were determined to be feasible options.

In 1998, the groundwater extraction/AS/SVE system plumbing was completed, and remediation activities were initiated. In 2006, six additional air sparge wells (identified as AI-1 through AI-6) were installed to depths of 90 feet BGS. The final system configuration consisted of seven air

sparge wells (AS-1 and AI-2 through AI-7), six combination groundwater monitoring/SVE wells (GW-1, GW-2, GW-5, GW-6, GW-7 and GW-10), and one combination groundwater monitoring/extraction well (GW-5). The locations of the remediation wells are shown on **Figure 2**. Extracted vapors were passed through a catalytic oxidizer for treatment. Extracted groundwater was passed through an air stripper and two carbon adsorption units then discharged into an on-site infiltration trench. The system ran consistently until October 2006 when it was shut down due to asymptotic conditions. LNAPL was not observed in monitoring wells GW-2 and GW-6 after August 2001 and November 1995, respectively.

In July 2012, five soil borings (identified as SB-1 through SB-5) were advanced in areas east, west and south of the southern fuel dispenser island and near those historical borings (completed prior to remediation actions) that previously exhibited concentrations of petroleum-related impacts greater than MTCA Method A CULs to confirm current soil conditions and to analyze for all appropriate constituents associated with the contaminants. Each boring, with the exception of SB-3, was advanced to 50 feet BGS. Boring SB-3 was advanced to 55 feet BGS.

Samples submitted for laboratory analysis were generally selected based on the results of field screening evidence and/or from the approximate intervals where impacts were detected during previous investigations. The analytical results of the 2012 site assessment activities indicated that petroleum-related impacts were present at the locations of each soil boring. Petroleum-related contaminant concentrations greater than MTCA CULs appear at depths of 20 feet BGS or greater. Field screening evidence and/or analytical results for those samples submitted above 20 feet BGS did not indicate petroleum-related impacts above MTCA CULs.

In September 2016 ATC Group Services oversaw the decommissioning of the groundwater and soil vapor extraction/air sparge system mentioned above. All above ground remediation equipment was disconnected and removed from the site. Below ground piping was plugged where it stubbed up into the former remediation system compound and left in place.

Groundwater sampling has been conducted at the Site since 1991. Upper water bearing zone groundwater data indicate that 1) concentrations of gasoline range hydrocarbons and benzene have consistently exceeded MTCA Method A CULs in groundwater samples collected from shallow monitoring well GW-2 since LNAPL was last measured in August 2001, and 2) gasoline-range hydrocarbons have not been detected at concentrations greater than corresponding MTCA Method A CULs in groundwater samples collected from shallow monitoring well GW-1 since April 2015. Lower water bearing zone groundwater data collected from monitoring wells GW-5 through GW-12 indicate that with the exception of TPH-D in GW-10 in 2014, and occasional total lead detections, petroleum-related contaminants have not been detected above the laboratory method reporting limits, or have been detected at concentrations less than the MTCA Method A CULs in groundwater samples obtained after October 2001 in wells screened exclusively within the lower water bearing zone.

Concentrations of benzene and total lead have intermittently been detected above MTCA Method A CULs in monitoring wells GW-3 and GW-4 However these constituents were either not detected above the laboratory method reporting limits, or have been detected at concentrations less than the MTCA Method A CULs in GW-3 since February 2007. In September 2018 monitoring well GW-4 was sampled for the first time since November 2000 and did not detect contaminant at concentrations above laboratory method reporting limits.

With the exception of a benzene detection in April 2015, contaminant concentrations in groundwater sampled from monitoring well GW-5 have either been below MTCA Method A CULs

or not detected above laboratory method reporting limits. Gasoline-range hydrocarbons, one or more BTEX compounds, and total lead have periodically been detected at concentrations greater than corresponding MTCA Method A CULs in groundwater samples collected from monitoring well GW-6 since LNAPL was last measured in the well in November 1995

A review of boring/well installation logs indicated that GW-3 through GW-6 were installed with well screens that are 45 to 75 feet long, and extended across upper and lower water bearing units. Historical monitoring well boring logs are presented in **Appendix A.**

ASSESSMENT OBJECTIVE AND SCOPE OF WORK

The objective of the proposed scope of work outlined below was to further evaluate groundwater conditions at the Site, specifically in the upper and lower water bearing units. ATC proposed installation of 14 new wells to better define actual groundwater conditions in the upper and lower water bearing units. The proposed scope of work also included decommissioning wells GW-1 through GW-6. Soil samples collected from the soil borings, and groundwater data from the new wells was to be compared to MTCA Method A CULs. The proposed scope of work consisted of 3 tasks, each described below.

Task 1 – Pre-Field Activities

At least 72 hours prior to the beginning of subsurface soil work, ATC physically marked the location of the proposed borings to aid in underground utility locating. Underground utilities and piping in the vicinity of the proposed borings were identified in advance of fieldwork by requesting underground locating (One Call) by the Public Utility Notification Service and by contracting a private utility locator. Additionally, ATC notified and coordinated with the current property owners and station manager.

A safe work plan (SWP) was prepared, and the site-and-project-specific health and safety plan (HASP) was updated to identify potential physical and chemical hazards associated with the proposed field activities, and to specify personal protective equipment and safety monitoring requirements. The HASP was kept on file at ATC's Seattle, Washington office and on Phillips 66 electronic database (LiveLink) and a copy was made available onsite during all field activities.

Task 2 – Field Activities – Abandonment of Wells and Installation of New Wells

Well Decommissioning

Between October 24th and October 30th, 2018 ATC oversaw the decommissioning of monitoring wells GW-1 through GW-6. Decommissioning services were performed by Cascade Drilling of Woodinville, WA (Cascade) in accordance with WAC 173-160-460 (2)(a). Prior to decommissioning of the wells, underground utilities and piping were identified by notifying the Public Utility Notification Service (One Call) and by contracting a private utility locator to clear a 10-foot diameter radius around well to be decommissioned.

Because well logs were available, wells were decommissioned by completely filling each well casing from the bottom to the top with bentonite chips. With the exception of GW-5, each remediation vault was then decommissioned by completely filling the interior of the vault with concrete and grading the top of each concrete filled vault with the existing concrete aprons/asphalt. Due to damage to the existing concrete apron of GW-5, the vault of GW-5 was

abandoned by removing the vault and then backfilling the resulting void space with concrete, which was then graded flush with the surrounding site surface.

Monitoring well decommissioning methods were recorded on the appropriate State of Washington Resource Protection Well Report logs and filed by the driller with the Washington Department of Ecology **(Appendix B).**

All materials generated during the well decommissioning activities (demolition debris) were transported off-site to a licensed facility.

Boring Advancement and Well Installation

Between October 8 and October 31, 2018 ATC oversaw the installation of 6 shallow and deep monitoring well pairs in the vicinity of the south dispenser island. Additionally, two shallow wells were also installed adjacent to existing wells GW-8 and GW-10 to create well pairs at these locations. The newly installed well locations are shown on **Figure 2**. Prior to drilling activities, proposed well locations were assessed and adjusted in order to avoid conflicts with underground and overhead utilities. Drilling services were conducted by Cascade using hollow-stem auger drilling equipment. All drilling and well installation work was performed under the direction of an ATC field representative. As required by P66, the monitoring well borings were cleared to a depth of five feet using an air knife/vacuum truck prior to drilling activities. Shallow soil samples were collected between the surface and five feet bgs in select borings, using a hand-auger, to collect confirmation data from a prior exceedance in the middle of the dispenser island. Shallow wells were drilled to depths between approximately 45 and 50 feet bgs and were constructed with 0.020-slot screen in the lower 20 feet of each well. The deep wells were drilled to depths between 75 and 85 feet bgs and were constructed with 0.020-slot screen in the lower 20 feet. Deep well borings were double-cased during drilling to prevent vertical migration of groundwater. All wells were constructed with blank casing sections of 2-inch diameter PVC, spanning from the top of the well screen interval to ground surface elevation. The top of the blank well casing was fitted with a watertight, locking plug. Colorado silica sand was used to backfill the annular space around the well screen and casing from the bottom of the screen to approximately two feet above the screen. Hydrated bentonite chips were used to backfill the annular space around the casing and create a seal from the top of the sand backfill to approximately 4 feet bgs. The remaining annular space from ground surface to 4 feet bgs was backfilled with concrete. All well boring locations were completed with a traffic-rated, flush-mount vault set in concrete. Following installation, each well was developed by surging and purging the saturated screened intervals using a decontaminated stainless steel bailer and submersible pump. A summary of well completion information for the wells installed in October 2018 is presented in **Table 3**.

Following completion of well installation activities, the new wells were surveyed to establish accurate locations and elevations. True North Land Surveying, Inc. was subcontracted by ATC to provide professional survey services. The horizontal position of the wells was based on the NAD 83/11 datum. The vertical datum was based on NAVD ’88. Refer to **Appendix C** for summary of True North’s survey data.

Field Screening and Soil Sampling Activities

Soil samples were collected from the soil borings for lithologic profiling, field screening and chemical analysis using a 2.5-inch split spoon sampler. Samples were field-screened for the presence of volatile organic constituents (VOCs) using a portable photoionization detector (PID).

Field screening was conducted by placing a portion of the collected soil into a sealable plastic bag and then monitoring headspace vapor concentrations using the PID. Headspace VOC readings were recorded on soil boring logs. Sheen testing of soil samples was also performed and any odor or staining of soils was documented. Soil lithology was described in general accordance with ASTM D2488. Detailed soil logs of each boring are provided in **Appendix D.**

In locations where both shallow and deep well pairs were installed, soil samples from representing a given depth were collected from only one of the well pair borings. Generally soil samples from elevations of ground surface to 50 feet bgs were collected from the shallow well pair boring locations and soil samples from below 50 feet bgs were collected from the deep well pair boring locations. Split spoon soil samples were collected at 5 foot intervals starting at approximately five feet bgs to the maximum depth drilled.

Soil sampling equipment was cleaned with an Alconox detergent wash, tap water rinse, and a distilled water rinse between each sampling attempt. Soil samples were collected from each sampling sleeve and placed in laboratory prepared VOA vials with septum lids or jars with Teflon lids and immediately placed in an ice chest and kept cool until delivery to the laboratory. Soil samples from each boring were analyzed for one or more of the following constituents of concern (COCs) per Table 830-1 of WAC 173-340-900 using the following methods:

- BTEX using the Environmental Protections Agency (EPA) Method 8260B;
- Gasoline-range hydrocarbons and diesel- and heavy oil-range hydrocarbons using Northwest Methods NWTPH-Gx and NWTPH-Dx, respectively; and
- Total Lead using EPA Method 6000/7000.

Following the Washington Department of Ecology requirements, soil samples collected for BTEX/Gx were obtained from the split spoon sampler using a hand-held plunger set to collect the appropriate volume of soil for subsequent analysis using EPA Method 8260B. Soil collected in the plunger was transferred to laboratory-prepared VOA vials equipped with septum lids. Samples for remaining analysis were transferred to laboratory-prepared jars equipped with Teflon lids. All samples were immediately placed in an ice chest, and kept cool until delivered to the laboratory. Standard chain-of-custody procedures were observed during transport of the samples to the laboratory. Chain of custody documentation is included in the laboratory analytical reports presented in **Appendix E**.

Investigative-Derived Waste

All investigation-derived waste (IDW) generated during the field activities was temporarily stored on-site pending characterization and disposal at a P66 approved facility. The majority of soil cuttings generated from each well boring were placed into lined roll-off style steel dumpsters secured with plastic lids. Four, 20-gallon capacity dumpsters were used for soil cutting disposal. Residual soil cuttings were placed into one 55-gallon steel drum. Liquid waste generated (decontamination and well development purge water) was placed into 26 labeled 55-gallon steel drums. Waste profiling samples were collected from the IDW containers in order to properly dispose the waste. Laboratory analysis of the IDW was subject to the requirements of the waste retention facility and Phillips 66 criteria. Refer to **Appendix F** for waste disposal documentation.

Regional Geology

The Site is located within the Puget Sound lowland and was subject to glaciation during the Vashon glacial period, which occurred approximately 15,000 to 20,000 years ago. The glacial drift plain underlying Burien is a composite of several different glacial depositional processes. These processes include 1) lacustrine (lake) deposits, which are predominantly silt and clay; 2) glacial till, a mixture of sand, gravel, clay, silt and boulders deposited directly by the glacier; and 3) advance and recessional outwash, primarily sand and gravel deposits made by glacial meltwater. The deposits make by these processes are layered.

In general, during periods between glacial episodes, thick layers of fine-grained sediment were deposited in lakes and by sluggish streams. These deposits typically act as confining layers. As glaciers advanced southward into the Puget Sound Lowland, coarse debris carried by the glaciers were dropped at their leading edges and carried southward by meltwater to form a layer of sand and gravel that is referred to as advance outwash, and which overlies the interglacial fine-grained sediment deposits. These deposits can produce water-bearing zones (aquifers). As the glaciers advanced further southward, they overrode these deposits and additional debris (till) was laid down beneath the glaciers and above the advance outwash. The gravel and sand beds of the glacial tills can also produce water-bearing zones. However, saturated zones within the fine-grained glacial tills generally exhibit poor hydraulic characteristics and can act as confining layers. Later, as the glaciers receded, meltwater carried additional sediment to form recessional outwash on top of the till. As with advanced outwash, recessional outwash can also produce water-bearing zones.

Local Geology

Soils encountered during previous investigations consisted of glacial till deposits to the total depths explored (up to 95 feet bgs). Exploration logs from prior borings completed at the Site indicate that the glacial deposits are dense to very dense, heterogeneous, and contain varying amounts of sand, gravel, silt, and clay.

During the 2018 investigation, soils encountered in well borings consisted predominantly of dense, fine to medium silty sand with varying amounts of gravel to depths ranging from approximately 65 to 75 feet bgs. Below the silty sand unit, less dense, coarser grained sediments consisting of sands and gravels were encountered to the maximum depth explored of 85 feet bgs. The dense silty sand unit was interpreted as glacial till, while the underlying coarse grained sediments were interpreted as glacial outwash deposits. A well-defined aquitard unit was not identified within the upper 85 feet at the site. Cross-sections depicting the geology and hydrogeology of the Site are included in **Appendix D**. Boring logs from the 2018 activities are included in **Appendix A.**

Regional Hydrogeology

As noted above, advance outwash deposits can produce water-bearing zones (aquifers). As the glaciers advanced further southward, they overrode these deposits and additional debris (till) was laid down beneath the glaciers and above the advance outwash. The gravel and sand beds of the glacial tills can also produce water-bearing zones. However, saturated zones within the fine-grained glacial tills generally exhibit poor hydraulic characteristics and can act as confining layers. Later, as the glaciers receded, meltwater carried additional sediment to form recessional

outwash on top of the till. As with advance outwash, recessional outwash can also produce water-bearing zones.

Local Hydrogeology

Within the glacial till beneath the Site, evidence of a shallow discontinuous perched groundwater bearing zone (shallow, or upper zone) and a deeper, continuous groundwater bearing zone (deep, or lower zone) exist based on measured depths to water, stratigraphy presented in boring logs, well completion details, and results of an on-site aquifer pump test conducted in August 1995.

Shallow/Upper Zone - According to historical boring logs, wet conditions were observed within silty sand units at depths ranging from approximately 17 to 45 feet bgs (**Appendix A).** Shallow perched water has historically been measured in shallowly screened wells at depths ranging from 23 to 50 feet bgs.

Deep/Lower Zone- During installation of previous wells MW-3, MW-5 and MW-6 (to depths between 75 and 90 feet bgs), it was noted that the water bearing zones appeared to correlate with less dense soils (lower blow counts compared to unsaturated soils). The water bearing units were also noted to contain a smaller percentage of fine grained soils (trace or less). Groundwater levels have historically been measured in the deep/lower water bearing zone at depths ranging from 62 to 80 feet bgs.

During advancement of borings for wells installed in October, 2018 upper and lower water bearing zones were generally observed at similar depths as in previous events. In upper zone well borings, wet conditions were noted at depths ranging from 20 to 45 feet bgs and in lower zone well borings wet conditions were noted at depths ranging from 60 to 80 feet bgs. The correlation of coarser grained soils with saturated conditions noted in previous deep well boring was also noted in soils encountered in deep well borings advanced in 2018 (GW-13D, GW-14D, GW-15D, GW-16D, GW-17D and GW-18D). Refer to boring logs presented in **Appendix A**.

Based on historical water level measurements, the inferred groundwater flow direction in the upper water bearing zone has predominantly been to the west and to the south in the lower water bearing zone (ranging between the southeast and southwest). Note: Historical groundwater flow directions for the shallow/upper water bearing zone may be inaccurate because they included data gathered from wells with screened intervals in both the upper/shallow and deep water bearing zones.

Based on water level measurements collected following the installation of new wells in October, 2018, the inferred groundwater flow direction in the upper water bearing zone is predominantly to the northwest and to the north/northeast in the lower water bearing zone. A more detailed interpretation of groundwater conditions in the upper and lower zones based on data collected in December, 2018 is presented in ATC's 2018 Annual Groundwater Monitoring Report (ATC, 2019). Groundwater elevation contouring for the upper/shallow and deep water bearing zones are presented in **Figures 3 and 4.**

Sensitive Receptor Survey

ATC conducted a well search which included water wells registered on the Department of Ecology database located within half a mile of the Site. No groundwater production wells were identified within a half mile of the Site. Ecology well records are included in **Appendix G**.

Analytical Results

Soil

Gasoline-range hydrocarbons and/or one or more BTEX compounds were detected at concentrations greater than MTCA Method A CULs in only three of the fourteen soil borings advanced during the 2018 investigation. The deepest soil sample which exceeded cleanup levels was collected from GW-13D at 60 feet bgs, above the deep groundwater unit, was benzene at a concentration of 0.553 mg/kg (above the corresponding Method A CUL of 0.03 mg/kg), however, the soil samples collected from GW-13D at 50 and 85 feet bgs did not detect analytes above laboratory method reporting limits. The soil sample from boring GW-16D at 25 feet bgs detected gasoline-range petroleum hydrocarbons at a concentration of 77.5 mg/kg (above the corresponding MTCA Method A CUL of 30 mg/kg) and total xylenes at a concentration of 13.10 mg/kg (slightly exceeding the corresponding MTCA Method A CUL of 9 mg/kg), however, the soil samples collected from GW-16D at 15 and 35 feet bgs did not detect analytes above laboratory method reporting limits. The soil sample collected from boring GW-18S at a depth of 45 feet bgs detected gasoline-range petroleum hydrocarbons at a concentration of 55.3 mg/kg (above the corresponding MTCA Method A CUL of 30 mg/kg). Soil samples collected from boring GW-18S at 30 and 50 feet bgs did not detect analytes above laboratory method reporting limits. All other soil samples collected during the 2018 investigation either did not detect analytes above laboratory method reporting limits or detections were well below corresponding MTCA Method A CULs. Based on a summary of soil sample analytical results from the 2018 investigation, it appears that concentrations of petroleum hydrocarbons and associated volatile organic compounds have decreased greatly across the site. Historical and current soil analytical data is presented chronologically in **Table 1** and is shown on **Figures 5 and 6**.

Groundwater

Pre-remediation groundwater data indicates that petroleum-related contaminants were primarily present within the upper perched water-bearing zone. LNAPL was consistently measured in GW-2 between 1994 and 1998 and, consequently, dissolved-phase constituents were not analyzed during this time. Between 1995 and 1998, concentrations of gasoline-range hydrocarbons, BTEX and total lead consistently exceeded MTCA Method A CULs in monitoring well GW-1. LNAPL was also measured in GW-6 in 1994 and 1995. Between 1996 and 1998, concentrations of gasoline-range hydrocarbons, BTEX and total lead consistently exceeded MTCA Method A CULs in monitoring well GW-6. However, because GW-6 was screened from 15 to 70 feet bgs, it was not determinable if the exceedances were limited to the upper or lower water bearing zone.

Pre-remediation groundwater data indicates that petroleum-related contaminants also were present within the deeper water-bearing zone south of the southern dispenser island, including off-site across SW 128th Street. Between 1994 and 1998, concentrations of gasoline-range hydrocarbons, BTEX and total lead consistently exceeded MTCA Method A CULs in monitoring

wells GW-5, GW-8 and GW-9. However, no impacts exceeding MTCA Method A CULs have been noted in these wells during the subsequent 20 years. Note: because GW-5 was screened from 15 to 90 feet bgs, it was not determinable if the exceedances were limited to the upper or lower water bearing zone.

Based on the most recent analytical data collected from site monitoring wells in December 2018, petroleum related contaminants were found at concentrations above MTCA Method A CULs on the service station property within the area just south of the southern dispenser island complex and within the area of the southeast driveway. These groundwater conditions are generally consistent those from preceding sampling events at the site.

A summary of the most recently collected groundwater analytical data for the Site is presented in **Table 2 and Figure 7.**

CONCLUSIONS/RECOMMENDATIONS

Based on the investigations results from the well replacement activities conducted in October 2018;

- Groundwater zones are primarily located between 35 to 55 feet and 65 to 85 feet bgs beneath the Site. These zones are not clearly continuous, and the shallow zone may be seasonal. This was supported by the first round of groundwater sampling following installation of the new wells.
- Soil results indicate that concentrations have decreased from prior soil sampling events, and that soil impacts are limited to 25 ft bgs at GW-16D, to the north of the south dispensers, to 45 ft bgs at GW-18S, to the southwest of the south dispensers, and to at 60 ft bgs at GW-13D to the southeast of the southern dispensers.
- Initial groundwater sampling results showed that impacts were limited to the area to the south and southeast of the south dispenser, in GW-13S and GW-14S. Benzene was also detected above the Method A CUL in GW-14D at a concentration close to the CUL.

ATC recommends that groundwater concentrations continue to be monitored during upcoming sampling events to evaluate if additional characterization is needed as well as pathways to closure.

We appreciate the opportunity to be of service in this matter. If you have questions regarding this Well Installation Report, please contact me at (206) 781-1449.

Sincerely,

ATC Group Services LLC

Elisabeth Silver, L.G.
Senior Project Manager

State of Washington
442
Licensed Geologist
Elisabeth S. Silver

Enc.

Figure 1 – Site Vicinity Map
Figure 2 – Site Plan
Figure 3 – Historical Soil Analytical Map
Figure 4 – Groundwater Conditions Map – Upper Water Bearing Zone (12/11/2018)
Figure 5 – Groundwater Conditions Map – Lower Water Bearing Zone (12/11/2018)
Figure 6 – Cross Section A-A'
Figure 7 – Cross Section B-B'
Figure 8 – 2018 Soil Analytical Map
Figure 9 – Groundwater Analytical Map (12/11-13/2018)

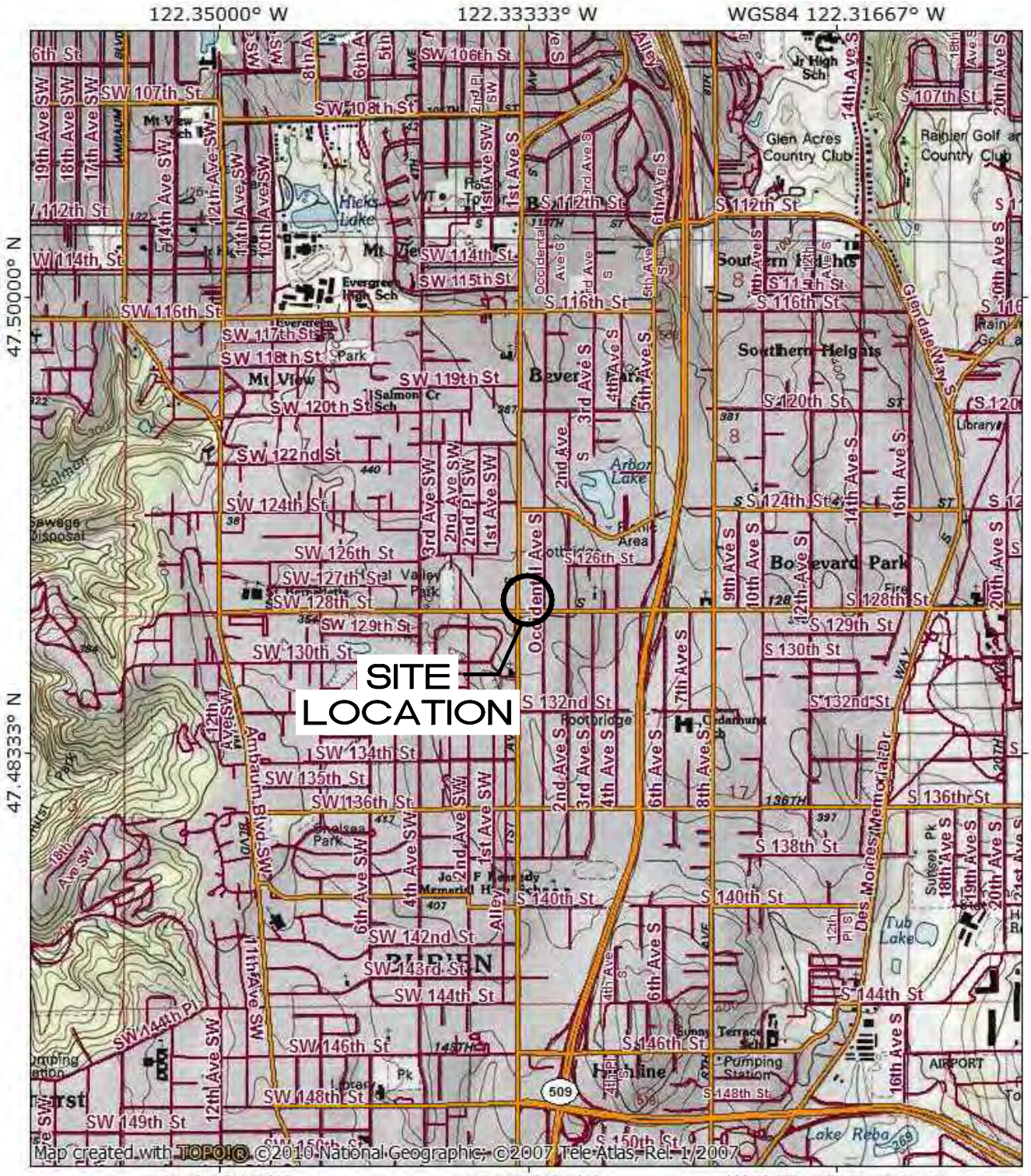
Table 1 – Summary of Soil Sample Analytical Data
Table 2 – Summary of Groundwater Sample Analytical Data
Table 3 – Groundwater Monitoring Well Construction Details

Appendix A – Historical Soil Boring and Well Construction Logs
Appendix B – Cascade Well Decommissioning and Installation Logs
Appendix C – True North 2018 Well Survey Data
Appendix D – Laboratory Analytical Reports
Appendix F – Investigative Derived Waste Disposal Documentation
Appendix G – Ecology Well Records

REFERENCE

ATC 2019, Groundwater Monitoring Report – 2018 Annual Event. Phillips 66 Facility No. 2701476 (AOC #2063), 12660 First Avenue South, Seattle, Washington. January 28.

FIGURES



SOURCE: USGS TOPO MAP, DES MOINES, WA QUAD, 1995

SITE VICINITY MAP

PHILLIPS 66 FACILITY NO. 2701476 (AOC #2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000048		DATE: 4/26/16	FIGURE 1
APPROVED BY: KS		DRAWN BY: BK	

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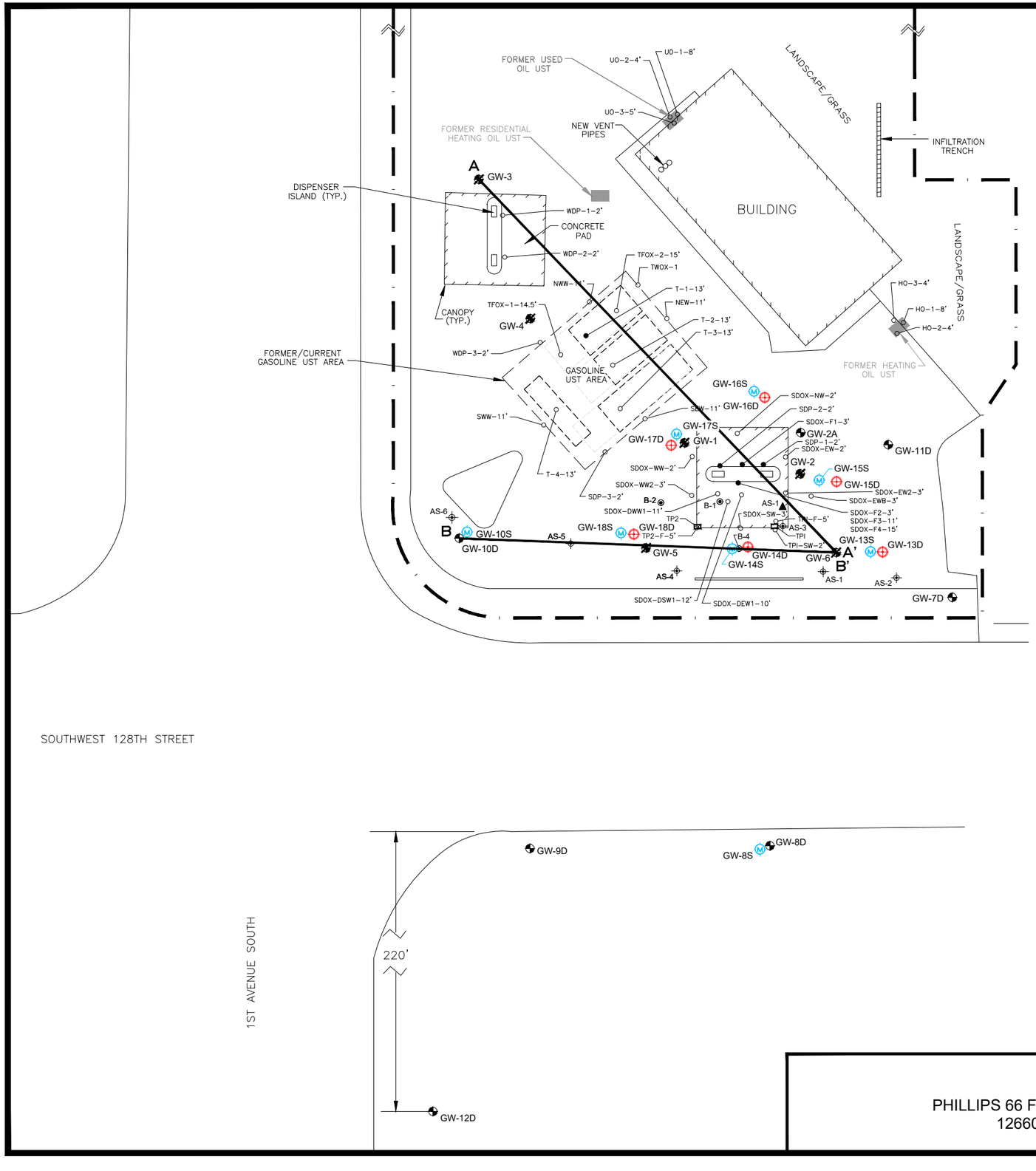

SOUTHWEST 128TH STREET

LEGEND

- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- SOIL BORING (1992)
- AIR SPARGE WELL (1994)
- AIR SPARGE POINT (1998)
- MONITORING WELL (1994/1995)
- SOIL SAMPLE NOT ANALYZED
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS LESS THAN SCLG'S
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS GREATER THAN SCLG'S
- TRENCH WITH ID
- FORMER UST
- APPROXIMATE SITE BOUNDARY
- A – A' CROSS SECTION TRANSECT

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

N

SITE PLAN

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070	DATE: 3/14/19	FIGURE 2
APPROVED BY: ES	DRAWN BY: BK	

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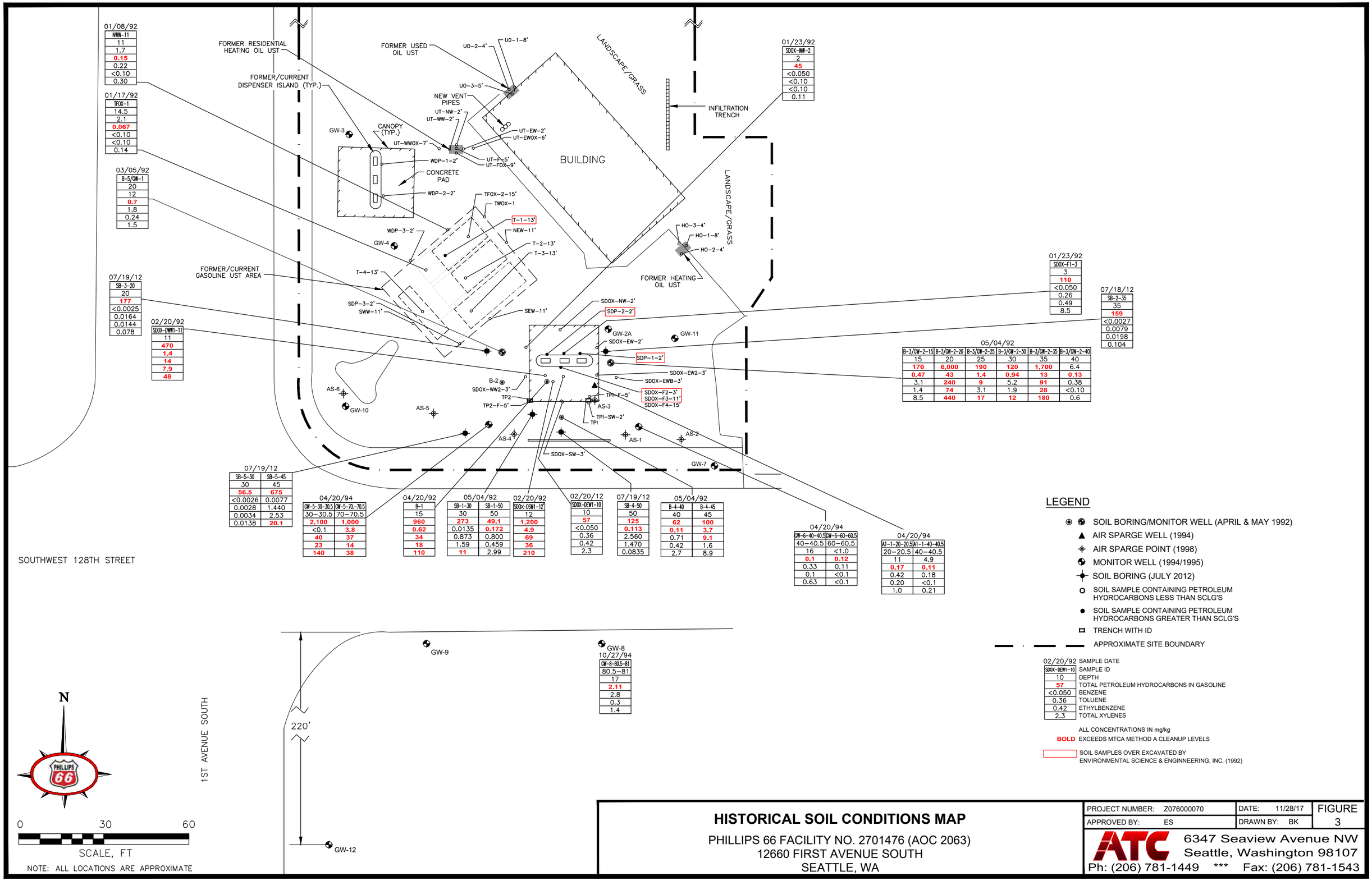

01/08/92

NWW-11
11
1.7
0.15
0.22
<0.10
0.30

01/17/92

TFOX-1
14.5
2.1
0.067
<0.10
<0.10
0.14

03/05/92

B-5/GW-1
20
12
0.7
1.8
0.24
1.5

07/19/12

SB-3-20
20
177
<0.0025
0.0164
0.0144
0.078

02/20/92

SDOX-DWW1-11
11
470
1.4
14
7.9
48

01/23/92

SDOX-WW-2
2
45
<0.050
<0.10
<0.10
0.11

01/23/92

SDOX-F1-3
3
110
<0.050
0.26
0.49
8.5

07/18/12

SB-2-35
35
159
<0.0027
0.0079
0.0198
0.104

05/04/92

B-3/GW-2-15	B-3/GW-2-20	B-3/GW-2-25	B-3/GW-2-30	B-3/GW-2-35	B-3/GW-2-40
15	20	25	30	35	40
170	**6,000**	**190**	**120**	**1,700**	6.4
0.47	**43**	**1.4**	**0.94**	**13**	**0.13**
3.1	**240**	**9**	5.2	**91**	0.38
1.4	**74**	3.1	1.9	**28**	<0.10
8.5	**440**	**17**	**12**	**180**	0.6

07/19/12

SB-5-30	SB-5-45
30	45
56.5	**675**
<0.0026	0.0077
0.0028	1.440
0.0034	2.53
0.0138	**20.1**

04/20/94

GW-5-30-30.5	GW-5-70.-70.5
30-30.5	70-70.5
2,100	**1,000**
<0.1	**3.8**
40	**37**
23	**14**
140	**38**

04/20/92

B-1
15
960
0.62
34
18
110

05/04/92

SB-1-30	SB-1-50
30	50
273	**49.1**
0.0135	**0.172**
0.873	0.800
1.59	0.459
11	2.99

02/20/92

SDOX-DSW1-12'
12
1,200
4.9
69
36
210

02/20/12

SDOX-DEW1-10
10
57
<0.050
0.36
0.42
2.3

07/19/12

SB-4-50
50
125
0.113
2.560
1.470
0.0835

05/04/92

B-4-40	B-4-45
40	45
62	**100**
0.11	**3.7**
0.71	**9.1**
0.42	1.6
2.7	8.9

04/20/94

GW-6-40-40.5	GW-6-60-60.5
40-40.5	60-60.5
16	<1.0
0.1	**0.12**
0.33	0.11
0.1	<0.1
0.63	<0.1

04/20/94

A1-1-20-20.5	A1-1-40-40.5
20-20.5	40-40.5
11	4.9
0.17	**0.11**
0.42	0.18
0.20	<0.1
1.0	0.21

10/27/94

GW-8-80.5-81
80.5-81
17
2.11
2.8
0.3
1.4

LEGEND

- SOIL BORING/MONITOR WELL (APRIL & MAY 1992)
- AIR SPARGE WELL (1994)
- AIR SPARGE POINT (1998)
- MONITOR WELL (1994/1995)
- SOIL BORING (JULY 2012)
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS LESS THAN SCLG'S
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS GREATER THAN SCLG'S
- TRENCH WITH ID
- APPROXIMATE SITE BOUNDARY

02/20/92	SAMPLE DATE
SDOX-DEW1-10	SAMPLE ID
10	DEPTH
57	TOTAL PETROLEUM HYDROCARBONS IN GASOLINE
<0.050	BENZENE
0.36	TOLUENE
0.42	ETHYLBENZENE
2.3	TOTAL XYLENES

ALL CONCENTRATIONS IN mg/kg

BOLD EXCEEDS MTCA METHOD A CLEANUP LEVELS

SOIL SAMPLES OVER EXCAVATED BY ENVIRONMENTAL SCIENCE & ENGINNEERING, INC. (1992)

NOTE: ALL LOCATIONS ARE APPROXIMATE

HISTORICAL SOIL CONDITIONS MAP

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070	DATE: 11/28/17	FIGURE 3
APPROVED BY: ES	DRAWN BY: BK	

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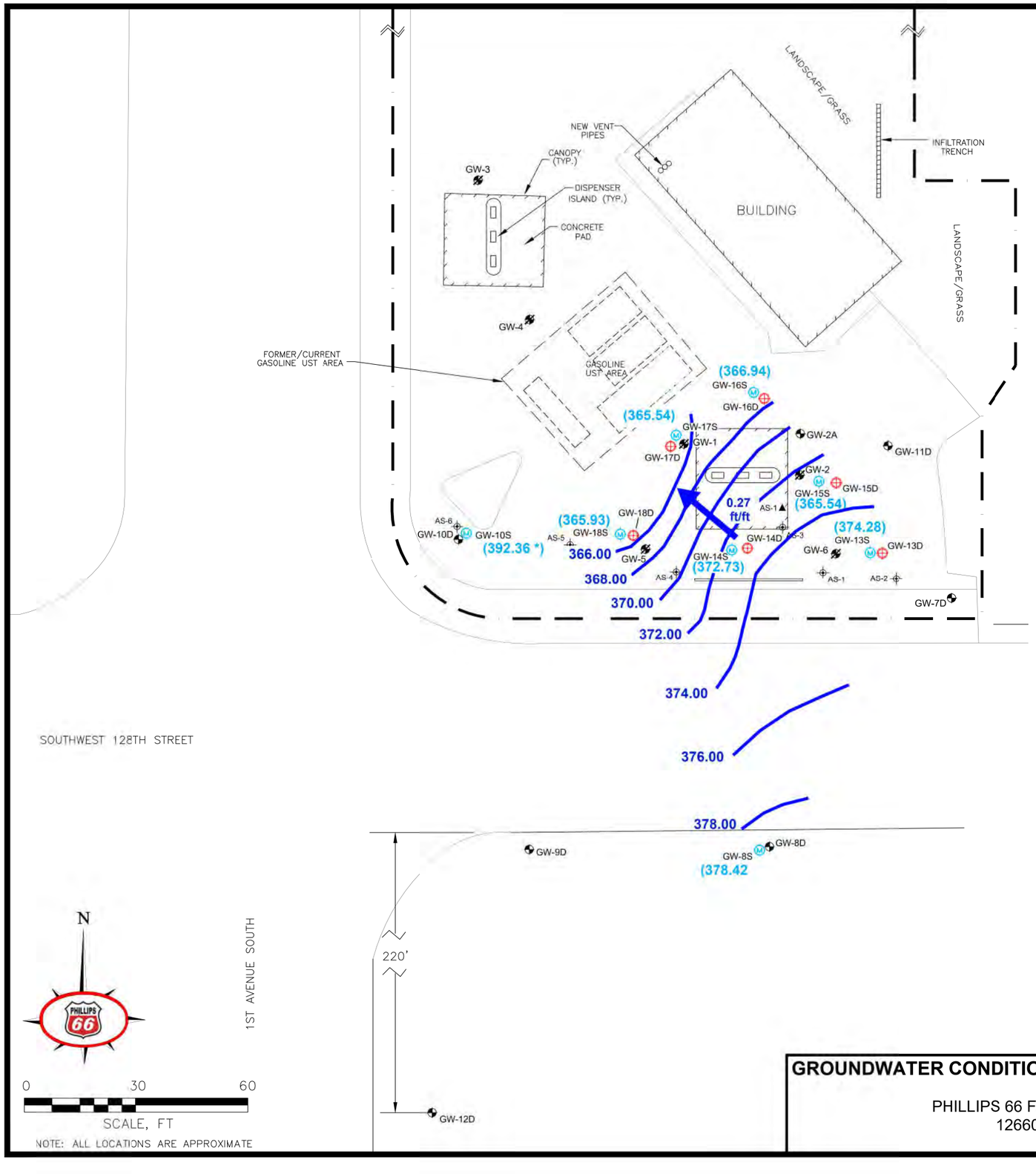

LEGEND

- SHALLOW MONITOR WELL
- DEEP MONITOR WELL
- DECOMMISSIONED MONITOR WELL
- MONITOR WELL (1994/1995)
- APPROXIMATE SITE BOUNDARY
- (365.93) GROUNDWATER ELEVATION
- (392.36 *) GROUNDWATER ELEVATION (NOT USED FOR CONTOURING)
- 372.00 GROUNDWATER ELEVATION CONTOUR
- 0.27 ft/ft INFERRED GROUNDWATER FLOW DIRECTION / CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)

GROUNDWATER CONDITIONS MAP - UPPER WATER BEARING ZONE (12/11/18)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070	DATE: 1/25/19	FIGURE
APPROVED BY: ES	DRAWN BY: BK	4

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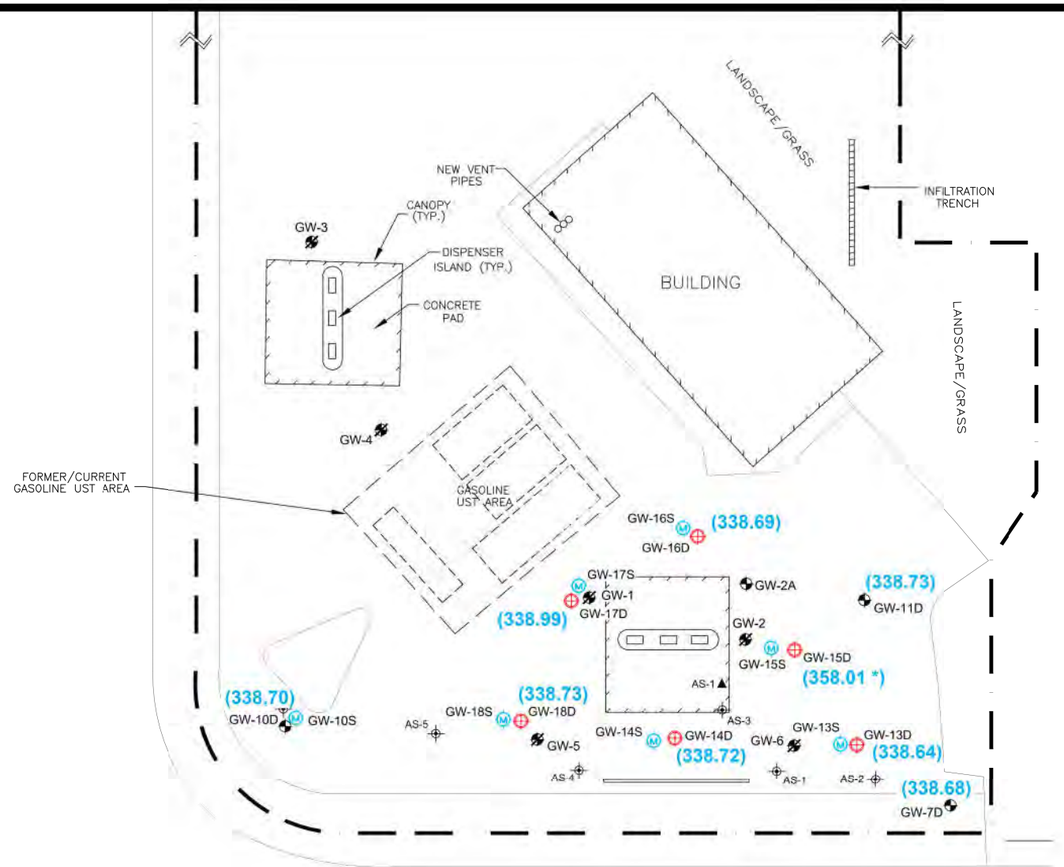

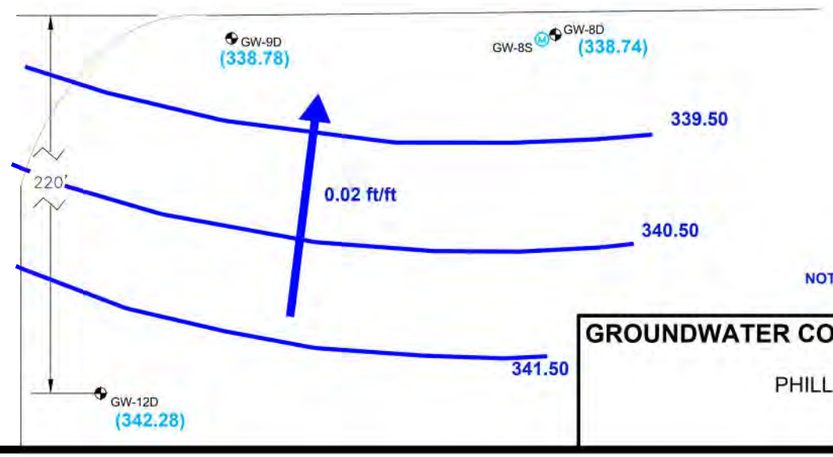

NOTE: CONTOURS SOUTH OF 128TH STREET ARE NOT TO SCALE

LEGEND

- SHALLOW MONITOR WELL
- DEEP MONITOR WELL
- DECOMMISSIONED MONITOR WELL
- MONITOR WELL (1994/1995)
- APPROXIMATE SITE BOUNDARY
- (338.69) GROUNDWATER ELEVATION
- (358.01 *) GROUNDWATER ELEVATION (NOT USED FOR CONTOURING)
- 339.50 GROUNDWATER ELEVATION CONTOUR
- 0.02 ft/ft INFERRED GROUNDWATER FLOW DIRECTION / CALCULATED GROUNDWATER GRADIENT (FEET PER FOOT)

N

1ST AVENUE SOUTH

0 30 60

SCALE, FT

NOTE: ALL LOCATIONS ARE APPROXIMATE

GROUNDWATER CONDITIONS MAP - LOWER WATER BEARING ZONE (12/11/18)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070	DATE: 1/25/19	FIGURE
APPROVED BY: ES	DRAWN BY: BK	5

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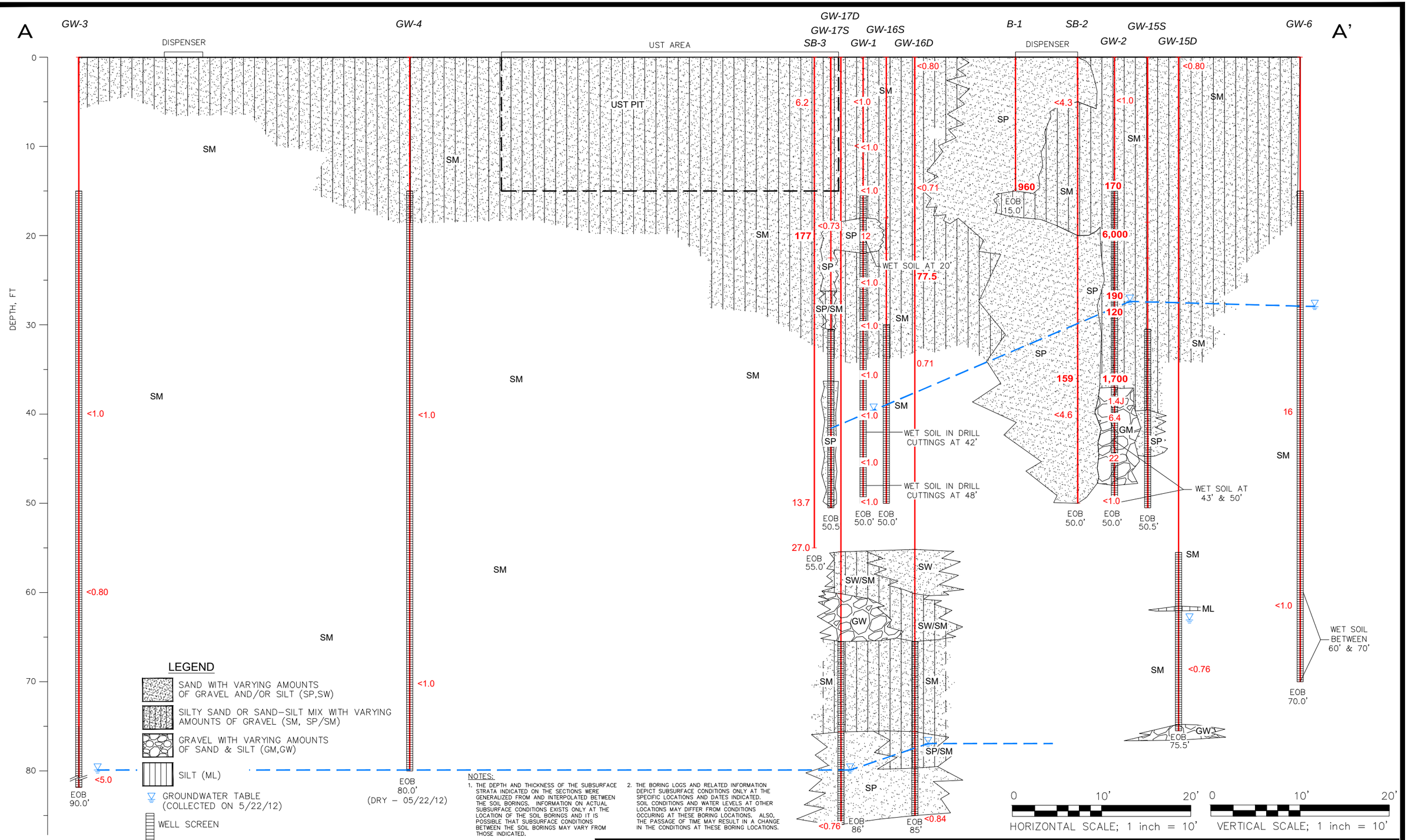

CROSS SECTION A - A'

PHILLIPS 66 FACILITY NO. 2701476 (AOC #2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070		DATE: 3/8/19	FIGURE 6
APPROVED BY: ES		DRAWN BY: BK	

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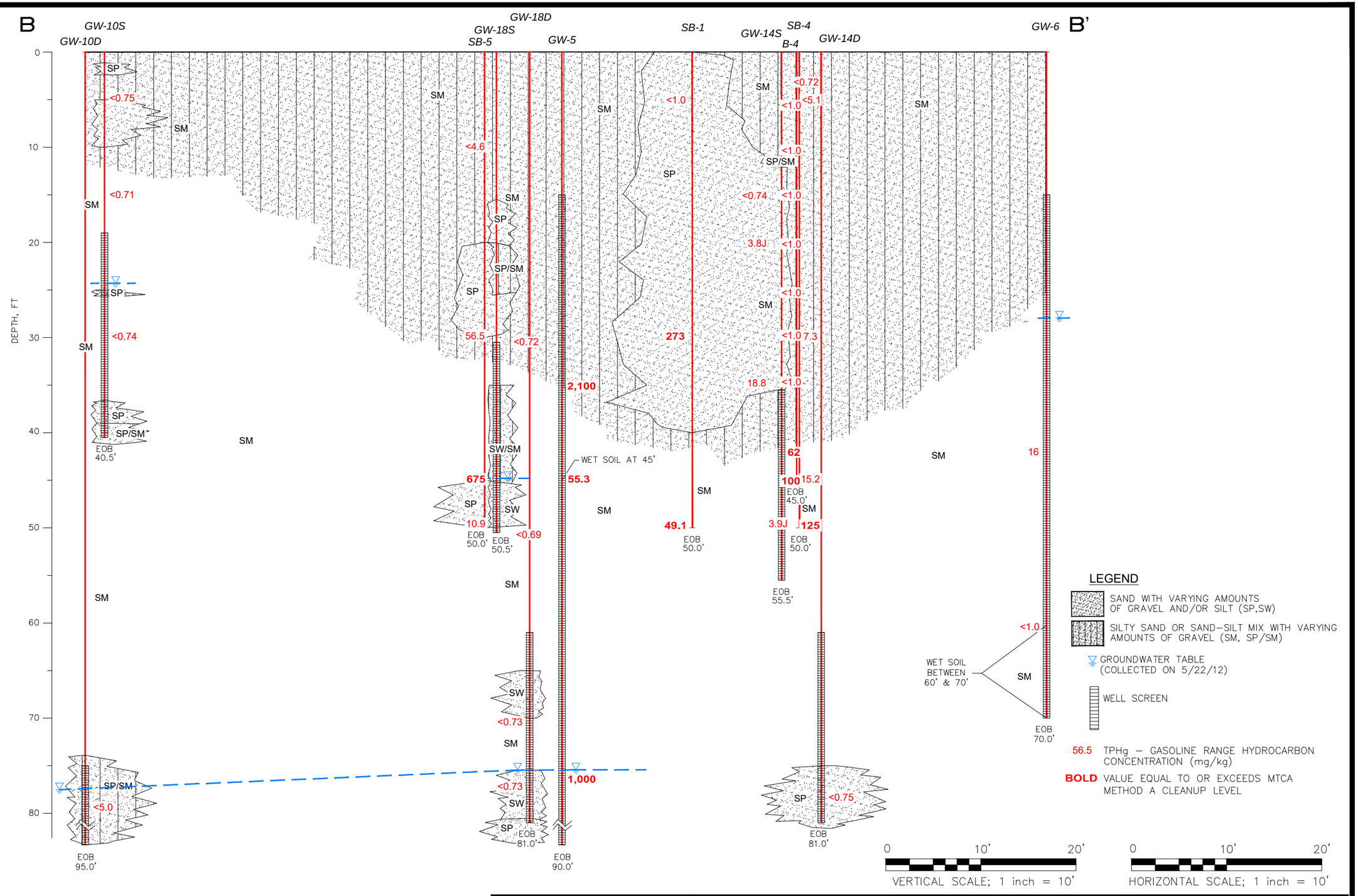

NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE SOIL BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE SOIL BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE SOIL BORINGS MAY VARY FROM THOSE INDICATED.
2. THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED. SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURING AT THESE BORING LOCATIONS. ALSO, THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.

GENERALIZED CROSS SECTION B - B'

PHILLIPS 66 FACILITY NO. 2701476 (AOC #2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070		DATE: 3/14/19	FIGURE 7
APPROVED BY: ES		DRAWN BY: BK	

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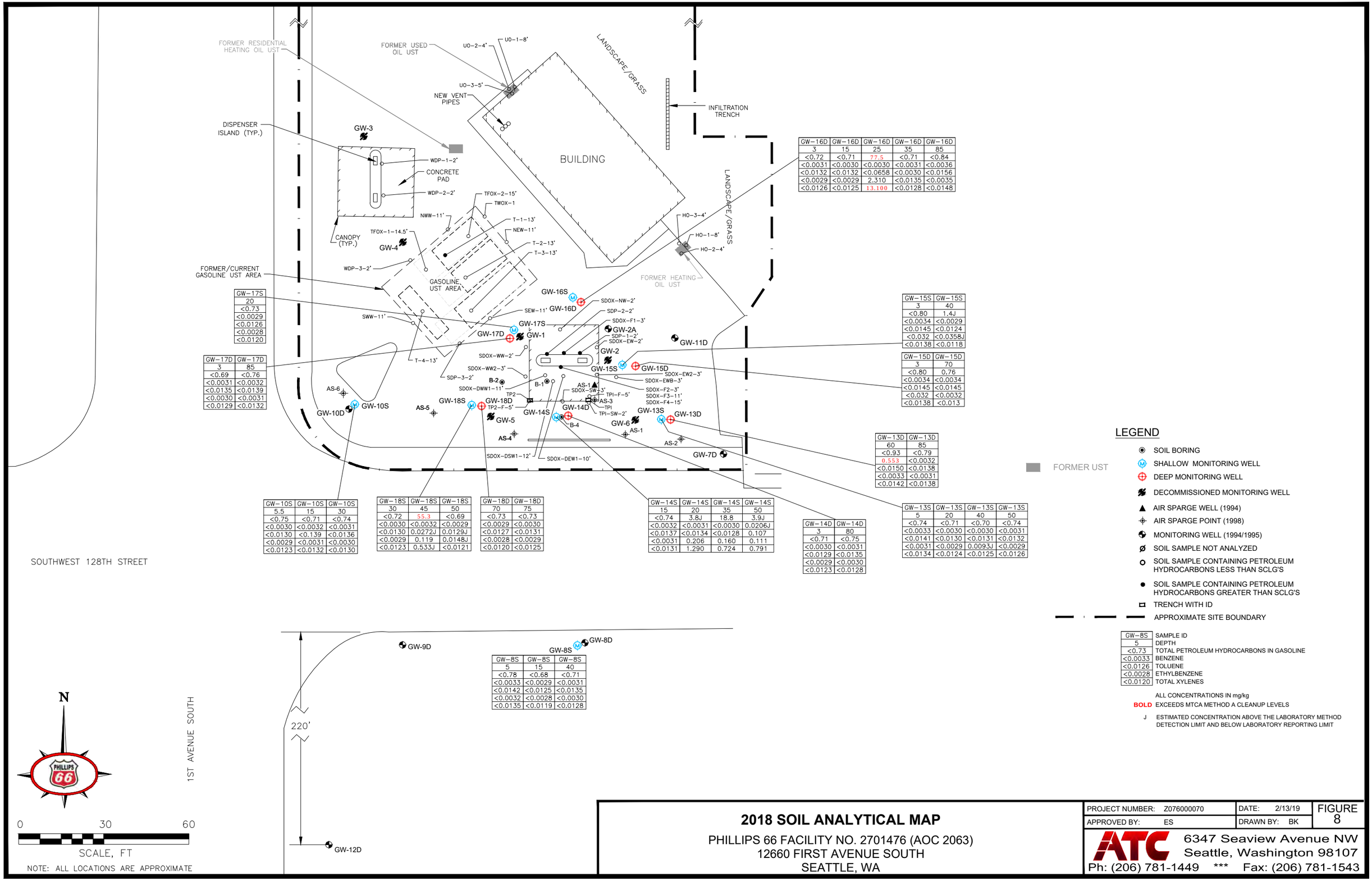

GW-16D	GW-16D	GW-16D	GW-16D	GW-16D
3	15	25	35	85
<0.72	<0.71	77.5	<0.71	<0.84
<0.0031	<0.0030	<0.0030	<0.0031	<0.0036
<0.0132	<0.0132	<0.0658	<0.0030	<0.0156
<0.0029	<0.0029	2.310	<0.0135	<0.0035
<0.0126	<0.0125	13.100	<0.0128	<0.0148

GW-17S
20
<0.73
<0.0029
<0.0126
<0.0028
<0.0120

GW-17D	GW-17D
3	85
<0.69	<0.76
<0.0031	<0.0032
<0.0135	<0.0139
<0.0030	<0.0031
<0.0129	<0.0132

GW-15S	GW-15S
3	40
<0.80	1.4J
<0.0034	<0.0029
<0.0145	<0.0124
<0.032	<0.0358J
<0.0138	<0.0118

GW-15D	GW-15D
3	70
<0.80	0.76
<0.0034	<0.0034
<0.0145	<0.0145
<0.032	<0.0032
<0.0138	<0.013

GW-13D	GW-13D
60	85
<0.93	<0.79
0.553	<0.0032
<0.0150	<0.0138
<0.0033	<0.0031
<0.0142	<0.0138

GW-13S	GW-13S	GW-13S	GW-13S
5	20	40	50
<0.74	<0.71	<0.70	<0.74
<0.0033	<0.0030	<0.0030	<0.0031
<0.0141	<0.0130	<0.0131	<0.0132
<0.0031	<0.0029	0.0093J	<0.0029
<0.0134	<0.0124	<0.0125	<0.0126

GW-14D	GW-14D
3	80
<0.71	<0.75
<0.0030	<0.0031
<0.0129	<0.0135
<0.0029	<0.0030
<0.0123	<0.0128

GW-14S	GW-14S	GW-14S	GW-14S
15	20	35	50
<0.74	3.8J	18.8	3.9J
<0.0032	<0.0031	<0.0030	0.0206J
<0.0137	<0.0134	<0.0128	0.107
<0.0031	0.206	0.160	0.111
<0.0131	1.290	0.724	0.791

GW-18S	GW-18S	GW-18S
30	45	50
<0.72	55.3	<0.69
<0.0030	<0.0032	<0.0029
<0.0130	0.0272J	0.0129J
<0.0029	0.119	0.0148J
<0.0123	0.533J	<0.0121

GW-18D	GW-18D
70	75
<0.73	<0.73
<0.0029	<0.0030
<0.0127	<0.0131
<0.0028	<0.0029
<0.0120	<0.0125

GW-10S	GW-10S	GW-10S
5.5	15	30
<0.75	<0.71	<0.74
<0.0030	<0.0032	<0.0031
<0.0130	<0.139	<0.0136
<0.0029	<0.0031	<0.0030
<0.0123	<0.0132	<0.0130

GW-8S	GW-8S	GW-8S
5	15	40
<0.78	<0.68	<0.71
<0.0033	<0.0029	<0.0031
<0.0142	<0.0125	<0.0135
<0.0032	<0.0028	<0.0030
<0.0135	<0.0119	<0.0128

LEGEND

- FORMER UST
- SOIL BORING
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- AIR SPARGE WELL (1994)
- AIR SPARGE POINT (1998)
- MONITORING WELL (1994/1995)
- SOIL SAMPLE NOT ANALYZED
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS LESS THAN SCLG'S
- SOIL SAMPLE CONTAINING PETROLEUM HYDROCARBONS GREATER THAN SCLG'S
- TRENCH WITH ID
- APPROXIMATE SITE BOUNDARY

GW-8S	SAMPLE ID
5	DEPTH
<0.73	TOTAL PETROLEUM HYDROCARBONS IN GASOLINE
<0.0033	BENZENE
<0.0126	TOLUENE
<0.0028	ETHYLBENZENE
<0.0120	TOTAL XYLENES

ALL CONCENTRATIONS IN mg/kg

BOLD EXCEEDS MTCA METHOD A CLEANUP LEVELS

J ESTIMATED CONCENTRATION ABOVE THE LABORATORY METHOD DETECTION LIMIT AND BELOW LABORATORY REPORTING LIMIT

2018 SOIL ANALYTICAL MAP

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070		DATE: 2/13/19	FIGURE 8
APPROVED BY: ES		DRAWN BY: BK	

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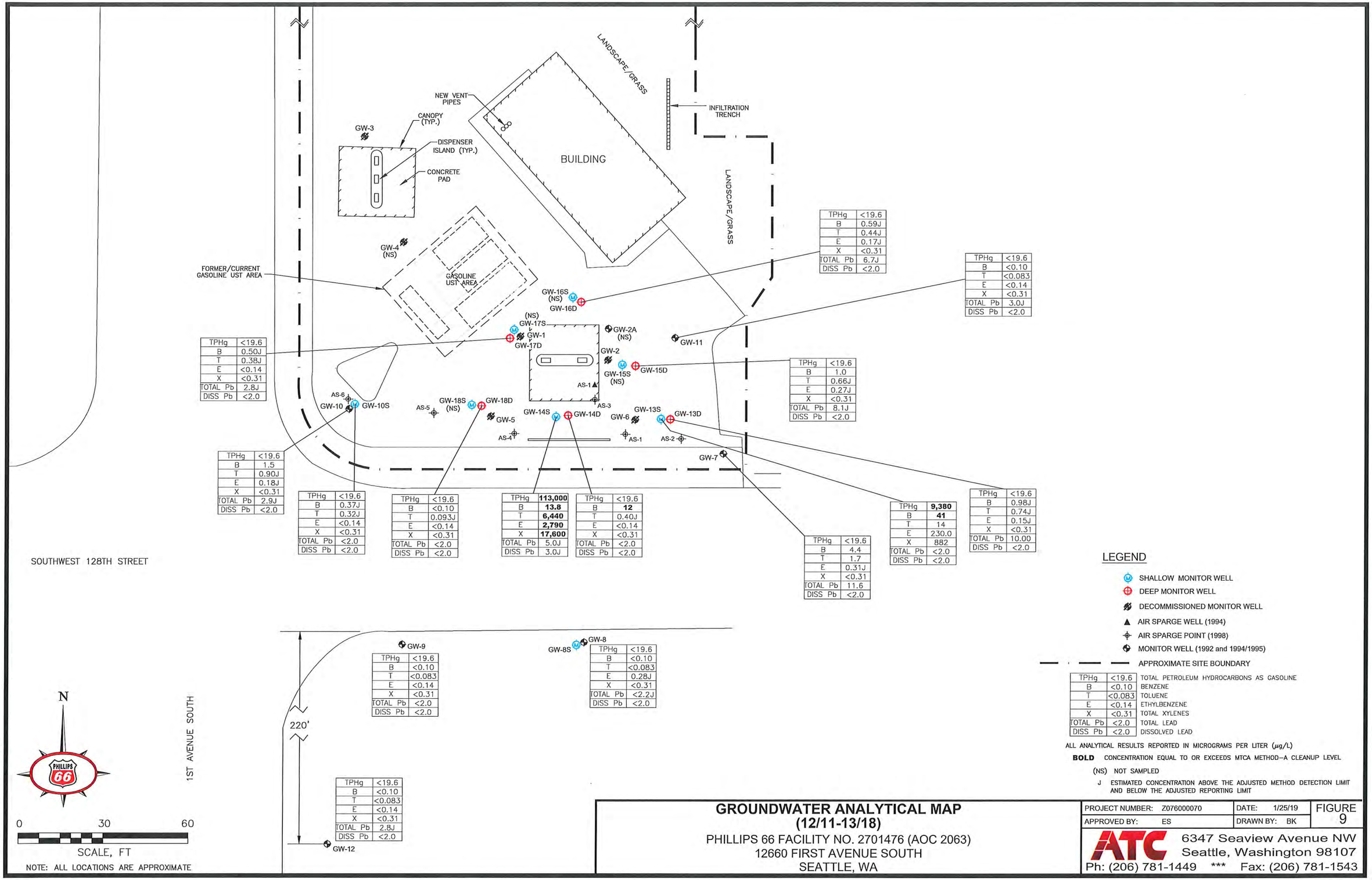

TPHg	<19.6
B	0.50J
T	0.38J
E	<0.14
X	<0.31
TOTAL Pb	2.8J
DISS Pb	<2.0

TPHg	<19.6
B	1.5
T	0.90J
E	0.18J
X	<0.31
TOTAL Pb	2.9J
DISS Pb	<2.0

TPHg	<19.6
B	0.37J
T	0.32J
E	<0.14
X	<0.31
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<19.6
B	<0.10
T	0.093J
E	<0.14
X	<0.31
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	**113,000**
B	**13.8**
T	**6,440**
E	**2,790**
X	**17,600**
TOTAL Pb	5.0J
DISS Pb	3.0J

TPHg	<19.6
B	0.40J
E	<0.14
X	<0.31
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<19.6
B	4.4
T	1.7
E	0.31J
X	<0.31
TOTAL Pb	11.6
DISS Pb	<2.0

TPHg	**9,380**
B	**41**
T	14
E	230.0
X	882
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<19.6
B	0.98J
T	0.74J
E	0.15J
X	<0.31
TOTAL Pb	10.00
DISS Pb	<2.0

TPHg	<19.6
B	0.59J
T	0.44J
E	0.17J
X	<0.31
TOTAL Pb	6.7J
DISS Pb	<2.0

TPHg	<19.6
B	<0.10
T	<0.083
E	<0.14
X	<0.31
TOTAL Pb	3.0J
DISS Pb	<2.0

TPHg	<19.6
B	1.0
T	0.66J
E	0.27J
X	<0.31
TOTAL Pb	8.1J
DISS Pb	<2.0

TPHg	<19.6
B	<0.10
T	<0.083
E	0.28J
X	<0.31
TOTAL Pb	<2.2J
DISS Pb	<2.0

TPHg	<19.6
B	<0.10
T	<0.083
E	<0.14
X	<0.31
TOTAL Pb	<2.0
DISS Pb	<2.0

TPHg	<19.6
B	<0.10
T	<0.083
E	<0.14
X	<0.31
TOTAL Pb	2.8J
DISS Pb	<2.0

LEGEND

- SHALLOW MONITOR WELL
- DEEP MONITOR WELL
- DECOMMISSIONED MONITOR WELL
- AIR SPARGE WELL (1994)
- AIR SPARGE POINT (1998)
- MONITOR WELL (1992 and 1994/1995)
- APPROXIMATE SITE BOUNDARY

TPHg	<19.6 TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
B	<0.10 BENZENE
T	<0.083 TOLUENE
E	<0.14 ETHYLBENZENE
X	<0.31 TOTAL XYLENES
TOTAL Pb	<2.0 TOTAL LEAD
DISS Pb	<2.0 DISSOLVED LEAD

ALL ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L)

BOLD CONCENTRATION EQUAL TO OR EXCEEDS MTCA METHOD–A CLEANUP LEVEL

(NS) NOT SAMPLED

J ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE ADJUSTED REPORTING LIMIT

GROUNDWATER ANALYTICAL MAP (12/11-13/18)

PHILLIPS 66 FACILITY NO. 2701476 (AOC 2063)
12660 FIRST AVENUE SOUTH
SEATTLE, WA

PROJECT NUMBER: Z076000070		DATE: 1/25/19	FIGURE 9
APPROVED BY: ES		DRAWN BY: BK	

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TABLES

TABLE 1
HISTORICALSOIL ANALYTICAL RESULTS
Former Phillips 66 Facility 2701476 (AOC #2063)
12660 First Avenue, South
Seattle, Washington

Sample Name	Boring/Well ID	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Pb (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
Environmental Science & Engineering, Inc. (ESE) - Removal of "Unknown Owner" Underground Storage Tank from 12660 1st Ave. SO., Seattle, WA - March 2, 1992:															
UT-F[1]	NA	02/04/92	5	--	1,500	--	--	--	--	--	--	--	--	--	--
UT-NW	NA	02/04/92	2	--	<10.0	--	--	--	--	--	--	--	--	--	--
UT-WW[1]	NA	02/04/92	2	--	19,000	--	--	--	--	--	--	--	--	--	--
UT-EW[1]	NA	02/04/92	2	--	15,000	--	--	--	--	--	--	--	--	--	--
SP-1	Stockpile	02/04/92	Stockpile	--	4,500	--	--	--	--	--	--	--	--	--	--
SP-2	Stockpile	02/04/92	Stockpile	--	2,100	--	--	--	--	--	--	--	--	--	--
UT-FOX	NA	02/06/92	9	--	<10.0	--	--	--	--	--	--	--	--	--	--
UT-WWOX	NA	02/06/92	7	--	<10.0	--	--	--	--	--	--	--	--	--	--
UT-EWOX	NA	02/06/92	6	--	<10.0	--	--	--	--	--	--	--	--	--	--
ESE - Results of a Tank Removal and Soil Removal Program at the Circle K Facility Located at 12660 1st Avenue South, Seattle (Burien), WA - April 6, 1992:															
Samples From Gasoline UST Excavation:															
T-1[1]	NA	01/08/92	13.0	**400**	--	--	**1.5**	6.4	**7.2**	**45**	--	--	--	--	--
T-2	NA	01/07/92	13.0	3.4	--	--	<0.050	<0.10	<0.10	0.16	9.6	--	--	--	--
T-3	NA	01/07/92	13.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
T-4	NA	01/08/92	13.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
SWW	NA	01/08/92	11.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
SEW	NA	01/08/92	11.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
NEW	NA	01/07/92	11.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
NWW	NA	01/08/92	11.0	1.7	--	--	**0.15**	0.22	ND	0.3	--	--	--	--	--
Samples From Beneath Dispenser Island:															
WDP-1	NA	01/09/92	2.0	1.5	--	--	<0.050	<0.10	<0.10	<0.10	11	--	--	--	--
WDP-2	NA	01/09/92	2.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
WDP-3	NA	01/09/92	2.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
SDP-1[1]	NA	01/09/92	2.0	**2,000**	--	--	<0.050	**10**	**6**	**160**	--	--	--	--	--
SDP-2[1]	NA	01/09/92	2.0	**3,300**	680	--	**8.6**	**150**	**26**	**390**	8.2	--	--	--	--
SDP-3	NA	01/09/92	2.0	1.1	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
Samples of Material Excavated from Gasoline UST Area:															
FSP-1	Stockpile	01/09/92	Stockpile	**130**	36	--	<0.050	<0.10	<0.10	1.5	--	--	--	--	--
FSP-2	Stockpile	01/09/92	Stockpile	**200**	--	--	<0.050	0.13	0.65	6.2	--	--	--	--	--
FSP-3	Stockpile	01/09/92	Stockpile	**200**	--	--	<0.050	0.18	0.72	6.5	--	--	--	--	--
FSP-4	Stockpile	01/09/92	Stockpile	**120**	--	--	<0.050	<0.10	0.29	3	--				
FSP-5	Stockpile	01/09/92	Stockpile	**140**	--	--	<0.050	0.27	0.47	4.2	--				
FSP-6	Stockpile	01/09/92	Stockpile	**300**	52	--	<0.050	0.43	1.6	**15**	--				
FSP-7	Stockpile	01/09/92	Stockpile	81	--	--	<0.050	0.76	<0.10	1.4	7.5				
Confirmation Samples From Over-Excavation Limits Beneath 6,000-gallon UST															
TFOX-1	NA	01/17/92	14.5	2.1	--	--	**0.067**	<0.10	<0.10	0.14	--				
TFOX-2	NA	01/17/92	15.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
TWOX-1	NA	01/17/92	unknown**	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
Confirmation Samples From Over-Excavation Limits Near Southern Pump Island - North Side															
SDOX-F1	NA	01/23/92	3.0	**110**	--	--	<0.050	0.26	0.49	8.5	--				
SDOX-WW	NA	01/23/92	2.0	**45**	--	--	<0.050	<0.10	<0.10	0.11	--				
SDOX-NW	NA	01/23/92	2.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
SDOX-EW	NA	01/23/92	2.0	1.4	--	--	<0.050	<0.10	<0.10	<0.10	--				
Confirmation Samples From Over-Excavation Limits Near Southern Pump Island - South Side															
TP1-F	NA	01/23/92	5.0	2.5	--	--	<0.050	<0.10	<0.10	<0.10	--				
TP1-SW	NA	01/23/92	2.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
TP2-F	NA	01/23/92	5.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
SDOX-F2	NA	--	3.0	--	--	--	--	--	--	--	--				
SDOX-F3	NA	02/19/92	11.0	**69**	--	--	**0.91**	2.9	0.97	6	--				
SDOX-F4	NA	02/20/92	15.0	**150**	--	--	**0.47**	4.7	2.8	**18**	--				
SDOX-SW	NA	02/19/92	5.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
SDOX-WW2	NA	02/19/92	3.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
SDOX-EW2	NA	--	5.0	--	--	--	--	--	--	--	--				
SDOX-EW3	NA	02/19/92	5.0	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--				
SDOX-DWW1	NA	02/20/92	11.0	**470**	--	--	**1.4**	**14**	**7.9**	**48**	--				
SDOX-DSW1	NA	02/20/92	12.0	**1,200**	--	--	**4.9**	**69**	**36**	**210**	--				
SDOX-DEW1	NA	02/20/92	10.0	**57**	--	--	<0.050	0.36	0.42	2.3	--				
ESE - Results of Limited Site Assessment, Circle K Facility 1476, 12660 1st Avenue South, Seattle (Burien), Washington - July 9, 1992:															
B-1	B-1	04/20/92	15	**960**	--	--	**0.62**	**34**	**18**	**110**	--	--	--	--	--
B-4	B-4	05/04/92	5	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			10	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			15	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			20	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			25	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			30	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			35	<1.0	--	--	**0.098**	0.2	<0.10	0.16	--	--	--	--	--
			40	**62**	--	--	**0.11**	0.71	0.42	2.7	--	--	--	--	--
			45	**100**	--	--	**3.7**	**9.1**	1.6	8.9	--	--	--	--	--
MW-1	B-5	05/05/92	5	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			10	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			15	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--
			20	12	--	--	**0.7**	1.8	0.24	1.5	--	--	--	--	--
			25	<1.0	--	--	<0.050	<0.10	<0.10	<0.10	--	--	--	--	--

TABLE 1
HISTORICALSOIL ANALYTICAL RESULTS
Former Phillips 66 Facility 2701476 (AOC #2063)
12660 First Avenue, South
Seattle, Washington

Sample Name	Boring/Well ID	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Pb (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
			30	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
			35	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
			40	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
			45	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
			50	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
MW-2	B-3	05/04/92	5	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
			15	**170**	--		--	**0.47**	3.1	1.4	8.5	--	--	--	--
			20	**6,000**	--		--	**43**	**240**	**74**	**440**	--	--	--	--
			25	**190**	--		--	**1.4**	**9**	3.1	**17**	--	--	--	--
			30	**120**	--		--	**0.94**	5.2	1.9	**12**	--	--	--	--
			35	**1,700**	--		--	**13**	**91**	**28**	**180**	--	--	--	--
			40	6.4	--		--	0.13	0.38	<0.10	0.6	--	--	--	--
			45	22	--		--	<0.050	1.3	0.44	2.5	--	--	--	--
			50	<1.0	--		--	<0.050	<0.10	<0.10	<0.10	--	--	--	--
SEACOR - Additional Site Assessment Investigation Report, Circle K Sotre #1476, Seattle, Washington - August 5, 1994:															
MW-3	MW-3	04/19/94	40 - 40.5	<1.0	--		--	<0.1	<0.1	<0.1	<0.1	<10	--	--	--
			60 - 60.5	<1.0	--		--	<0.1	<0.1	<0.1	<0.1	<10	--	--	--
MW-4	MW-4	04/19/94	40 - 40.5	<1.0	--		--	<0.1	<0.1	<0.1	<0.1	<10	--	--	--
			70 - 70.5	<1.0	--		--	<0.1	<0.1	<0.1	<0.1	<10	--	--	--
MW-5	MW-5	04/20/94	35 - 35.5	**2,100**	--		--	<0.1	**40**	**23**	**140**	<10	--	--	--
			75 - 75.5	**1,000**	--		--	**3.8**	**37**	**14**	**78**	<10	--	--	--
MW-6	MW-6	04/20/94	40 - 40.5	16	--		--	**0.1**	0.33	0.1	0.63	<10	--	--	--
			60 - 60.5	<1.0	--		--	**0.12**	0.11	<0.1	<0.1	<10	--	--	--
AI-1	AI-1	04/20/94	20 - 20.5	11	--		--	**0.17**	0.42	0.2	1.0	<10	--	--	--
			40 - 40.5	4.9	--		--	**0.11**	0.18	<0.1	0.21	<10	--	--	--
SEACOR - Additional On-Site and Initional Off-Site Subsurface Investigation, Circle K Sotre #1476, 12660 1st Avenue South, Seattle, Washington - January 9, 1995:															
MW-3	Recompleted	10/25/94	80 - 80.5	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
MW-7	MW-7	10/26/94	70.5 - 71.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			75.5 - 76.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
MW-8	MW-8	10/27/94	70.5 - 71.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			75.5 - 76.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			80.5 - 81.0	17	--		--	**2.11**	2.8	0.3	1.4	<10	--	--	--
MW-9	MW-9	10/25/94	61.0 - 61.5	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			75.0 - 75.5	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			80.8 - 80.5	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
MW-10	MW-10	10/27/94	80.5 - 81.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
MW-11	MW-11	10/26/94	70.5 - 71.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			75.5 - 76.0	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
SEACOR - Additional On-Site and Initional Off-Site Subsurface Investigation, Circle K Store #1476, 12660 1st Avenue South, Seattle, Washington - January 9, 1995:															
MW-12	MW-12	04/18/95	55	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
			70	<5.0	--		--	<0.05	<0.1	<0.1	<0.1	<10	--	--	--
SEACOR - Decommissioning and Site Assessment of the Used Oil and the Fuel Oil Underground Storage Tanks, Circle K Store #1476, 12660 1st Avenue South, Seattle, Washington - Septeml															
Confirmation Samples From Used Oil Tank Excavation															
SP-1	stockpile	08/07/95	NA	--	--		<25	--	--	--	--	--	--	--	--
SP-2	stockpile	08/07/95	NA	--	--		<25	--	--	--	--	--	--	--	--
SP-3	stockpile	08/07/95	NA	--	--		25	--	--	--	--	--	--	--	--
UO-1	bottom	08/07/95	8	--	--		<25	--	--	--	--	--	--	--	--
UO-2	NW sidewall	08/07/95	4	--	--		<25	--	--	--	--	--	--	--	--
UO-3	SE sidewall	08/07/95	5	--	--		<25	--	--	--	--	--	--	--	--
Confirmation Samples From Fuel Oil Tank Excavation															
SP-4	stockpile	08/07/95	NA	--	--		<25	--	--	--	--	--	--	--	--
SP-5	stockpile	08/07/95	NA	--	--		<25	--	--	--	--	--	--	--	--
SP-6	stockpile	08/07/95	NA	--	--		<25	--	--	--	--	--	--	--	--
HO-1	bottom	08/07/95	8	--	--		<25	--	--	--	--	--	--	--	--
HO-2	S-SE sidewall	08/07/95	4	--	--		<25	--	--	--	--	--	--	--	--
HO-3	N-NW sidewall	08/07/95	4	--	--		<25	--	--	--	--	--	--	--	--
Cardno ATC - Post Remediation Soil Assessment, Phillips 66 Facility No. 2701476 (AOC #2063), 12660 First Avenue, South, Seattle, Washington - April 10, 2013:															
SB-1-5'	SB-1	07/18/12	5	<4.7	--		--	<0.0026	<0.0026	<0.0026	<0.0079	1.5	<0.0026	<0.0026	<0.0026
SB-1-30'	SB-1	07/18/12	30	**273**	--		--	0.0135	0.873	1.59	**11**	1.1	<0.0027	<0.0027	<0.0027
SB-1-50'	SB-1	07/18/12	50	**49.1**	--		--	**0.172**	0.800	0.459	2.99	0.88	<0.0027	<0.0027	<0.0027
SB-2-5'	SB-2	07/18/12	5	<4.3	--		--	<0.0027	<0.0027	<0.0027	<0.0081	2.2	<0.0027	<0.0027	<0.0027
SB-2-35'	SB-2	07/18/12	35	**159**	--		--	<0.0027	0.0079	0.0198	0.104	1.0	<0.0027	<0.0027	<0.0027
SB-2-40'	SB-2	07/18/12	40	<4.6	--		--	<0.0029	<0.0029	<0.0029	<0.0088	1.1	<0.0029	<0.0029	<0.0029
SB-3-5'	SB-3	07/19/12	5	6.2	--		--	<0.0026	<0.0026	<0.0026	<0.0079	10.4	<0.0026	<0.0026	<0.0026
SB-3-20'	SB-3	07/19/12	20	**177**	--		--	<0.0025	0.0164	0.0144	0.078	1.0	<0.0025	<0.0025	<0.0025
SB-3-50'	SB-3	07/19/12	50	13.7	--		--	<0.0025	0.0049	0.0051	0.032	1.2	<0.0025	<0.0025	<0.0025
SB-3-55'	SB-3	07/19/12	55	27.0	--		--	<0.0029	0.0075	0.0135	0.080	1.7	<0.0029	<0.0029	<0.0029
SB-4-5'	SB-4	07/19/12	5	<5.1	--		--	<0.0026	<0.0026	<0.0026	<0.0078	1.6	<0.0026	<0.0026	<0.0026
SB-4-30'	SB-4	07/19/12	30	7.3	--		--	<0.0029	0.0084	0.0085	0.133	0.99	<0.0029	<0.0029	<0.0029
SB-4-45'	SB-4	07/19/12	45	15.2	--		--	0.0275	0.124	0.246	0.00114	1.2	<0.0026	<0.0026	<0.0026
SB-4-50'	SB-4	07/19/12	50	**125**	--		--	**0.113**	2.560	1.470	0.0835	0.94	<0.0032	<0.0032	<0.0032
SB-5-10'	SB-5	07/19/12	10	<4.6	--		--	<0.0025	<0.0025	<0.0025	<0.0076	1.2	<0.0025	<0.0025	<0.0025

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12660 First Avenue, South
Seattle, Washington

Sample Name	Boring/Well ID	Sample Date	Sample Depth (ft bgs)	TPHg (mg/kg)	TPHd (mg/kg)	TPHo (mg/kg)	TRPH (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	Total Pb (mg/kg)	MTBE (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
SB-5-30'	SB-5	07/19/12	30	**56.5**	--		--	<0.0026	0.0028	0.0034	0.0138	1.2	<0.0026	<0.0026	<0.0026
SB-5-45'	SB-5	07/19/12	45	**675**	--		--	0.0077	1.440	2.530	**20.1**	1.0	<0.0024	<0.0024	<0.0024
SB-5-50'	SB-5	07/19/12	50	10.9	--		--	0.0059	0.0594	0.0205	0.128	1.0	<0.0027	<0.0027	<0.0027
ATC - 2018 Well Installation, Phillips 66 Facility No. 2701476 (AOC #2063), 12660 First Avenue, South, Seattle, Washington - October, 2018:															
GW-8S-5	GW-8S	10/17/18	5	<0.78	--	--	--	<0.0033	<0.0142	<0.0032	<0.0135	1.6	--	--	--
GW-8S-15	GW-8S	10/30/18	15	<0.68	--	--	--	<0.0029	<0.0125	<0.0028	<0.0119	1.1	--	--	--
GW-8S-40	GW-8S	10/30/18	40	<0.71	--	--	--	<0.0031	<0.0135	<0.0030	<0.0128	1.2	--	--	--
GW-10S-5.5	GW-10S	10/29/18	5.5	<0.75	--	--	--	<0.0030	<0.0130	<0.0029	<0.0123	2.2	--	--	--
GW-10S-15	GW-10S	10/29/18	15	<0.71	--	--	--	<0.0032	<0.139	<0.0031	<0.0132	1.2	--	--	--
GW-10S-30	GW-10S	10/29/18	30	<0.74	--	--	--	<0.0031	<0.0136	<0.0030	<0.0130	1.2	--	--	--
GW-13S-5	GW-13S	10/09/18	5	<0.74	<2.7	<4.7	--	<0.0033	<0.0141	<0.0031	<0.0134	1.4	--	--	--
GW-13S-20	GW-13S	10/11/18	20	<0.71	<2.6	<4.7	--	<0.0030	<0.0130	<0.0029	<0.0124	1.2	--	--	--
GW-13S-40	GW-13S	10/11/18	40	<0.70	<2.6	<4.7	--	<0.0030	<0.0131	0.0093 J	<0.0125	1.2	--	--	--
GW-13S-50	GW-13S	10/11/18	50	<0.74	<2.6	<4.7	--	<0.0031	<0.0132	<0.0029	<0.0126	1.3	--	--	--
GW-13D-60	GW-13D	10/12/18	60	<0.93	--	--	--	**0.553**	<0.0150	<0.0033	<0.0142	3.7	--	--	--
GW-13D-85	GW-13D	10/12/18	85	<0.79	--	--	--	<0.0032	<0.0138	<0.0031	<0.0131	1.2	--	--	--
GW-14S-15	GW-14S	10/17/18	15	<0.74	--	--	--	<0.0032	<0.0137	<0.0031	<0.0131	1.1	--	--	--
GW-14S-20	GW-14S	10/17/18	20	3.8J	--	--	--	<0.0031	<0.0134	0.206	1.290	1.2	--	--	--
GW-14S-35	GW-14S	10/17/18	35	18.8	--	--	--	<0.0030	<0.0128	0.160	0.724	1.2	--	--	--
GW-14S-50	GW-14S	10/17/18	50	3.9J	--	--	--	0.0206 J	0.107	0.111	0.791	1.1	--	--	--
GW-14D-3	GW-14D	10/16/18	3	<0.71	--	--	--	<0.0030	<0.0129	<0.0029	<0.0123	1.6	--	--	--
GW-14D-80	GW-14D	10/18/18	80	<0.75	--	--	--	<0.0031	<0.0135	<0.0030	<0.0128	1.4	--	--	--
GW-15S-40	GW-15S	10/15/18	40	1.4 J	--	--	--	<0.0029	<0.0124	0.0358 J	<0.0118	1.3	--	--	--
GW-15D-3	GW-15D	10/10/18	3	<0.80	<3.0	<5.3	--	<0.0034	<0.0145	<0.032	<0.0138	1.8	--	--	--
GW-15D-70	GW-15D	10/16/18	70	<0.76	--	--	--	<0.0034	<0.0145	<0.0032	<0.0138	1.4	--	--	--
GW-16D-3	GW-16D	10/11/18	3	<0.72	<2.7	<4.8	--	<0.0031	<0.0132	<0.0029	<0.0126	2.0	--	--	--
GW-16D-15	GW-16D	10/25/18	15	<0.71	--	--	--	<0.0030	<0.0132	<0.0029	<0.0125	1.1	--	--	--
GW-16D-25	GW-16D	10/25/18	25	**77.5**	--	--	--	<0.0030	0.0658	2.310	**13.100**	1.1	--	--	--
GW-16D-35	GW-16D	10/25/18	35	<0.71	--	--	--	<0.0031	<0.0030	<0.0135	<0.0128	1.1	--	--	--
GW-16D-85	GW-16D	10/26/18	85	<0.84	--	--	--	<0.0036	<0.0156	<0.0035	<0.0148	1.3	--	--	--
GW-17S-20	GW-17S	10/23/18	20	<0.73	--	--	--	<0.0029	<0.0126	<0.0028	<0.0120	1.0	--	--	--
GW-17D-3	GW-17D	10/12/18	3	<0.69	--	--	--	<0.0031	<0.0135	<0.0030	<0.0129	1.6	--	--	--
GW-17D-85	GW-17D	10/24/18	85	<0.76	--	--	--	<0.0032	<0.0139	<0.0031	<0.0132	1.2	--	--	--
GW-18S-30	GW-18S	10/19/18	30	<0.72	--	--	--	<0.0030	<0.0130	<0.0029	<0.0123	1.2	--	--	--
GW-18S-45	GW-18S	10/19/18	45	**55.3**	--	--	--	<0.0032	0.0272 J	0.119	0.533 J	1.1	--	--	--
GW-18S-50	GW-18S	10/19/18	50	<0.69	--	--	--	<0.0029	0.0129 J	0.0148 J	<0.0121	1.3	--	--	--
GW-18D-70	GW-18D	10/22/18	70	<0.73	--	--	--	<0.0029	<0.0127	<0.0028	<0.0120	1.3	--	--	--
GW-18D-75	GW-18D	10/22/18	75	<0.73	--	--	--	<0.0030	<0.0131	<0.0029	<0.0125	1.3	--	--	--
MTCA Method A Cleanup Levels				100^2 (30)[3]	2,000	2,000	NE	0.03	7	6	9	250.0	0.100	0.005	NE

EXPLANATION:

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

TPHg = Total Petroleum Hydrocarbons as Gasoline. Analytical Methods as Follows:

Samples collected on January 2, 1992 were analyzed for diesel-range hydrocarbons by EPA method 8015M.

Samples collected between January 7, 1992 and April 18, 1995, were analyzed for gasoline-range hydrocarbons and BTEX by WTPH-G (EPA Method 5030/8015/8020) and lead by EPA Method 7420.

Samples collected on August 7, 1995, were analyzed for Total Petroleum Hydrocarbons as Heavy Petroleum Oils in Soil Matrix (TRPH [approximate hydrocarbon range C12 to C30]) by EPA Method 9071/418.1.

Samples collected on July 18 and 19, 2012 and in October, 2018 were analyzed for gasoline-range hydrocarbons by Northwest Method NWTPH-Gx, VOCs by EPA Method 8260/5035 and lead by EPA Method 6010.

** = sample depth not indicated in report, assume between 14 feet and 15 feet deep.

TPHg = Total Petroleum Hydrocarbons as Gasoline.

TPHd, TPHmo = Total Petroleum Hydrocarbons as Diesel and as Oil, respectively.

TRPH = Total Recoverable Petroleum Hydrocarbons.

B = Benzene; T = Toluene; E = Ethylbenzene; X = Total Xylenes

Bold values indicate that reported laboratory analytical result excees MTCA Method A Cleanup Level

MTBE - Methyl Tertiary-Butyl ether

NE = Not Established

EDB = 1,2-Dibromoethane

EDC = 1,2-Dichloroethane

-- = Not analyzed, N/A = Not applicable, NE = Not established, < = Less than the stated laboratory reporting limit

< = Analyte not detected above laboratory method reporting limit

Note 1: Soil represented by sample subsequently removed during over-excavation activities.

Note 2: MTCA Method A Cleanup Level for gasoline mixtures without benzene and the total of ethylbenzene, toluene and xylene are less than 1% of the gasoline mixture.

Note 3: MTCA Method A Cleanup Level for all other mixtures of gasoline.

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW1	05/07/91	38.97	0.00	61.03	--	--	--	--	--	--	--	--	--	--
100.00	05/08/92	41.28	0.00	58.72	--	--	--	--	--	--	--	--	--	--
	05/20/92	39.46	0.00	60.54	--	--	--	--	--	--	--	--	--	--
	03/10/94	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/94	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/94	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/95	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/95	47.30	0.00	52.70	**30,000**	--	--	**6,300**	**4,900**	638	**3,920**	--	**30**	--
	08/09/95	47.65	0.00	52.35	**17,000**	--	--	**3,200**	**1,700**	230	**1,400**	--	10	--
	11/06/95	48.86	0.00	51.14	--	--	--	--	--	--	--	--	--	--
	02/13/96	49.60	0.00	50.40	--	--	--	--	--	--	--	--	--	--
	02/21/96	49.54	0.00	50.46	--	--	--	--	--	--	--	--	--	--
	05/21/96	39.91	0.00	60.09	**62,000**	--	--	**14,000**	**16,000**	**780**	**5,100**	--	7	--
	06/06/96	39.78	0.00	60.22	--	--	--	--	--	--	--	--	--	--
	06/11/96	39.85	0.00	60.15	--	--	--	--	--	--	--	--	--	--
	09/24/96	42.14	0.00	57.86	**75,000**	--	--	**14,000**	**15,000**	**890**	**5,400**	--	4	--
	12/12/96	46.97	0.00	53.03	--	--	--	--	--	--	--	--	--	--
	03/24/97	34.84	0.00	65.16	**170,000**	--	--	**29,000**	**44,000**	**2,000**	**14,000**	--	**18**	--
	04/11/97	30.69	0.00	69.31	--	--	--	--	--	--	--	--	--	--
	06/18/97	29.13	0.00	70.87	**230,000**	--	--	**46,000**	**72,000**	**3,600**	**21,000**	--	13	--
	08/25/97	35.41	0.00	64.59	**170,000**	--	--	**3,000**	**46,000**	**2,900**	**16,000**	--	13	--
	11/19/97[*]	41.87	0.00	58.13	**170,000**	--	--	**25,000**	**39,000**	**3,200**	**17,000**	--	14	--
	02/12/98[NP]	43.10	0.00	56.90	**82,000**	--	--	**20,000**	**12,000**	**2,300**	**210**	--	<2	--
	05/14/98[NP]	32.37	0.00	67.63[b]	**180,000**	--	--	**41,000**	**59,000**	**2,000**	**19,000**	--	<2	--
	08/25/98[NP]	26.81	0.00	73.19[b]	**140,000**	--	--	**27,000**	**37,000**	**1,700**	**16,000**	--	**22**	--
	11/13/98[NP]	29.49	0.00	70.51[b]	**63,000**	--	--	**12,000**	**12,000**	320	**9,200**	--	9	--
	02/10/99	45.96	**Trace**	54.04[b]	**LPH Present**	--	--					--	--	
	05/28/99[NP]	17.18	0.00	82.82[b]	**69,000**	--	--	**490**	**4,400**	490	**12,000**	--	10	--
	08/18/99[NP]	43.70	0.00	56.30[b]	**32,000**	--	--	**2,100**	190	250	**3,600**	--	--	--
	11/11/99[NP]	34.01	0.00	65.99	**6,110**	--	--	**849**	333	31.8	**1,320**	--	7.67	--
	02/09/00[NP]	48.11	0.00	51.89	**83,000**	--	--	**1,200**	860	**740**	**13,000**	--	**301**	--
	05/24/00[NP]	26.35	**Trace**	73.65	**1,200**	--	--	**55.9**	81.2	2.09	248	--	--	--
	09/11/00[NP]	25.75	0.00	74.25	883	--	--	**36.1**	54.0	<0.690	161	--	--	--
	11/27/00	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	44.58	0.00	55.42	154	--	--	**12.6**	5.08	< 0.500	17.1	--	--	--
	05/16/01	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	08/30/01[NP]	43.17	0.00	56.83	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.62	--
	11/19/01	NM	--	--	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	40.32	0.00	59.68	<50.0	--	--	1.29	<0.500	<0.500	1.62	--	<1.00	--
	11/20/02	36.15	0.00	63.85	149	--	--	0.575	0.938	<0.500	12.5	--	2.67	<1.00
	05/21/03[NP]	35.97	0.00	64.03	**1,620**	--	--	**56.7**	71.7	<5.00	511	--	8.58	4.98
	11/14/03[NP]	33.91	0.00	66.09	528	--	--	**15.0**	9.9	1.1	47	--	11.2	<5.00
	5/13/04[NP]	30.93	0.00	69.07	**5,200**	--	--	**1,340**	129	51.0	431	--	14.4	<5.00
	12/9/04 [NP]	35.99	0.00	64.01	**3,800**	--	--	**1,030**	201	<20	740	--	**15.0**	<10.0
	02/08/05	37.79	0.00	62.21	**1,310**	--	--	**98.6**	46.0	<5.0	275	--	<10.0	<10.0
	05/16/05	36.36	0.00	63.64	**3,380**	--	--	**699.0**	224.0	<10	676	12	<15	<15
	11/22/05	40.77	0.00	59.23	**5,900**	--	--	**2,200.0**	420.0	66.0	**1,200**	--	<8.4	--
	03/01/06	Dry	0.00	--	**--**	--	--	**--**	--	--	**--**	--	--	--
	05/30/06	47.26	0.00	52.74	**860[d]**	--	--	**96[d]**	8.6[d]	12[d]	120[d]	--	**144**	<6.9
	08/28/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/07	39.18	0.00	60.82	160	--	--	**92**	4	2	5	<0.5	<6.9	<6.9
	08/20/07	45.01	0.00	54.99	110	--	--	**12**	2	1	5	<0.5	<6.9	<6.9
	11/19/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
414.74	08/18/08	49.56	0.00	365.18	Well not sampled due to low water column.									
	11/17/08	49.60	0.00	365.14	Well not sampled due to low water column.									
	02/04/09	51.20	0.00	363.54	--	--	--	--	--	--	--	--	--	--
	05/04/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	08/03/09	44.90	0.00	369.84	--	--	--	--	--	--	--	--	--	--
	11/03/09	48.74	0.00	366.00	Well gauged only this quarter.									
	02/08/10	49.48	0.00	365.26	Well gauged only this quarter.									
	05/03/10	43.45	0.00	371.29	Well gauged only this quarter.									
	09/07/10	45.99	0.00	368.75	Well gauged only this quarter.									
	12/01/10	48.84	0.00	365.90	Well gauged only this quarter.									
	02/10/11	45.91	0.00	368.83	Well gauged only this quarter.									
	05/18/11	35.25	0.00	379.49	Well gauged only this quarter.									
	09/02/11	43.42	0.00	371.32	Well gauged only this quarter.									
	12/07/11	dry	--	--	Well gauged only this quarter.									
	02/23/12	49.36	0.00	365.38	Well not sampled due to low water column.									
	05/22/12	39.57	0.00	375.17	<500	--	--	**9.8**	<1.0	<1.0	<3.0	--	0.81	<0.10
	08/01/12	43.70	0.00	371.04	<50	--	--	<1.0	<1.0	1.2	<3.0	--	0.21	1.0
	03/22/13	43.28	0.00	371.46	<100	--	--	4.6	<1.0	<1.0	<3.0	--	<3.0	<10.0
	09/20/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/29/15	42.89	0.00	371.85	<100	--	--	**7.70**	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	46.82	0.00	367.92	<100	--	--	1.2	<1.0	<1.0	<3.0	--	--	--
	10/15/15	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/27/16	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/17	46.03	0.00	368.71	<100	--	--	<1.0	<1.0	<1.0	<1.0	--	<10.0	<10.0
	09/04/18	48.59	0.00	366.15	Well not sampled due to low water column.									
	Well Decommissioned in October 2018													

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW2	05/07/91	35.56	0.00	63.76	--	--	--	--	--	--	--	--	--	--
99.32	05/08/92	36.53	0.00	62.79	--	--	--	--	--	--	--	--	--	--
	03/10/94	48.43	**4.15**	54.00	**LPH Present**	--	--							--
	05/02/94	--	**0.20**	--	**LPH Present**	--	--	--	--	--	--	--	--	--
	11/11/94	44.37	**0.07**	55.00	**LPH Present**	--	--	--	--	--	--	--	--	--
	02/17/95	44.92	**0.03**	54.42	**LPH Present**	--	--	--	--	--	--	--	--	--
	05/16/95	36.19	**0.17**	63.26	**150,000**	--	--	**21,000**	**26,000**	**2,200**	**14,000**	--	9	--
	08/09/95	39.16	**0.31**	60.39	**LPH Present**	--	--	--	--	--	--	--	--	--
	11/06/95	42.42	**0.11**	56.98	**LPH Present**	--	--	--	--	--	--	--	--	--
	02/13/96	36.62	**0.12**	62.79	**LPH Present**	--	--	--	--	--	--	--	--	--
	02/21/96	36.68	**0.13**	62.74	**LPH Present**	--	--	--	--	--	--	--	--	--
	05/21/96	28.04	**0.37**	71.56	**LPH Present**	--	--	--	--	--	--	--	--	--
	06/06/96	29.09	**0.41**	70.54	**LPH Present**	--	--	--	--	--	--	--	--	--
	06/11/96	29.17	**0.38**	70.44	**LPH Present**	--	--	--	--	--	--	--	--	--
	09/24/96	37.45	**0.41**	62.18	**LPH Present**	--	--	--	--	--	--	--	--	--
	12/12/96	40.86	**0.22**	58.63	**LPH Present**	--	--	--	--	--	--	--	--	--
	03/24/97	25.93	**0.13**	73.49	**LPH Present**	--	--	--	--	--	--	--	--	--
	04/11/97	23.84	**0.19**	75.62	**LPH Present**	--	--	--	--	--	--	--	--	--
	06/18/97	25.87	**0.02**	73.47	**LPH Present**	--	--	--	--	--	--	--	--	--
	08/25/97	32.77	**0.18**	66.69	**LPH Present**	--	--	--	--	--	--	--	--	--
	11/19/97[*]	37.67	**0.07**	61.70	**LPH Present**	--	--	--	--	--	--	--	--	--
	02/12/98[NP]	32.81	**0.03**	66.53	**LPH Present**	--	--	--	--	--	--	--	--	--
	05/14/98[NP]	26.37	**0.04**	72.98	**LPH Present**	--	--	--	--	--	--	--	--	--
	08/25/98	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	11/13/98	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	33.58	0.00	65.74[b]	**180,000**	--	--	**15,000**	**22,000**	**2,200**	**20,000**	--	--	--
	11/11/99[NP]	46.15	0.00	53.17	**85,600**	--	--	**4,360**	**7,750**	**1,160**	**12,300**	--	**152**	--
	02/09/00[NP]	38.30	0.00	61.02	**130,000**	--	--	**11,000**	**17,000**	**1,300**	**18,000**	--	6	--
	05/24/00	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	09/11/00[NP]	46.35	0.00	52.97	**55,000**	--	--	**2,620**	**1,910**	410	**7,380**	--	--	--
	11/27/00	43.56	**Trace**	55.76	**76,100**	--	--	**6,030**	**8,660**	**1,050**	**10,500**	--	**148**	--
	02/23/01	46.15	0.00	53.17	**64,300**	--	--	**5,100**	**5,880**	667	**9,140**	--	**129**	--
	05/16/01	42.48	0.00	56.84	**83,300**	--	--	**4,620**	**8,480**	**1,060**	**10,200**	--	**248**	--
	08/30/01[NP]	42.07	**0.01**	57.26	**LPH Present**	--	--	--	--	--	--	--	--	--
	11/19/01	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	05/04/02	31.15	0.00	68.17	**51,900**	--	--	**5,330**	**4,780**	255	**7,650**	--	**38.2**	--
	11/20/02	46.25	0.00	53.07	**50,900**	--	--	**3,010**	**5,600**	**800**	**8,110**	--	**3,850**	<1.00
	05/21/03[NP]	45.86	0.00	53.46	**35,100**	--	--	**3,910**	**4,020**	248	**4,760**	--	**26.8**	**14.6**
	11/14/03[NP C]	44.35	0.00	54.97	**1,760**	--	--	**96.2**	11.0	1.0	73.1	--	<5.00	<5.00
	5/13/04[NP]	28.97	0.00	70.35	**7,370**	--	--	**446**	705	30.4	983	--	8.28	<5.00
	12/9/04 [NP]	42.42	0.00	56.90	**19,500**	--	--	**2,370**	**1,410**	140	**1,980**	--	**20.9**	<10.0
	02/08/05	39.87	0.00	59.45	**32,000**	--	--	**3,520**	**2,160**	191	**3,280**	--	**24.8**	<10.0
	05/16/05	39.50	0.00	59.82	**8,600**	--	--	**166**	144	21	470	6.74	15.6	<15
	08/18/05	44.78	0.00	54.54	**10,000**	--	--	**930**	220	79	900	<5.0	**283**	--
	11/22/05	48.18	0.00	51.14	**15,000**	--	--	**2,600**	770	110	**1,400**	--	<8.4	--
	03/01/06	36.10	0.00	63.22	**7,800**	--	--	**380**	400	46	760	<0.5	<8.4	--
	05/30/06	42.90	0.00	56.42	**3,500**	--	--	**160**	65	23	280	--	**26.2**	<6.9
	08/28/06	44.20	0.00	55.12	**4,800**	--	--	**390**	120	43	460	0.9	<6.9	<6.9
	11/14/06	44.06	0.00	55.26	**12,000**	--	--	**860**	720	130	**1,500**	<1	<6.9	<6.9
	02/21/07	34.22	0.00	65.10	**6,800**	--	--	**920**	570	99	810	<1	70.4	62.2
	05/22/07	32.70	0.00	66.62	**20,000**	--	--	**650**	1,000	380	**2,700**	<1	<6.9	<6.9
	08/20/07	35.26	0.00	64.06	**49,000**	--	--	**6,300**	**6,500**	600	**5,100**	<5	<6.9	<6.9
	11/19/07	41.37	0.00	57.95	**12,000**	--	--	**2,000**	390	260	**1,200**	0.6	**15.1**	<6.9
	02/19/08	38.17	0.00	61.15	**21,000**	--	--	**2,400**	980	440	**2,500**	<3	10.4	8.8
413.94	05/19/08	35.80	0.00	378.14	**35,000**	--	--	**4,600**	**3,100**	670	**4,500**	<2.0	**23.7**	<6.9
	08/18/08	38.75	0.00	375.19	**20,000**	--	--	**3,200**	**1,400**	560	**3,500**	<3.0	<6.9	<6.9
	11/18/08	41.75	0.00	372.19	**28,000**	--	--	**3,000**	690	670	**4,500**	<3	14.40	<6.9
	02/04/09	39.85	0.00	374.09	**28,700**	**2,800**	<410	**1,600**	130	560	**3,700**	<1	1.34	--
	05/05/09	36.00	0.00	377.94	**40,800**	**1,200**	<420	**3,590** 2n	**1,760**	634	**4,590**	<1.0	3.3	<1.0
	08/03/09	36.60	0.00	377.34	**40,300**	--	--	**6,710**	**2,440**	**959**	**7,180**	<5.0	3.2	2.5
	11/03/09	41.22	0.00	372.72	**28,700** 1n,Z2	--	--	**2,880**	673	644	**3,460**	<5.0	12.3	0.39
	02/08/10	37.04	0.00	376.90	**42,600** 1n	--	--	**4,940**	**1,830**	**1,200**	**8,320**	<1.0	**24.7**	1.2
	05/03/10	32.17	0.00	381.77	**17,400**	--	--	**2,060**	746	422	**2,990**	<1.0	4.1	0.36
	09/07/10	36.61	0.00	377.33	**30,700**	--	--	**6,770**	**1,930**	**901**	**5,480**	<1.0	12.9	0.22
	12/01/10	39.35	0.00	374.59	**20,600**	--	--	**3,260**	**283**	**802**	**3,450**	<1.0	9.2	0.14
	02/10/11	31.63	0.00	382.31	**10,700**	--	--	**975**	**250**	359	**2,020**	<1.0	--	--
	05/18/11	25.11	0.00	388.83	**503**	--	--	**6.7**	<1.0	2.3	35.0	--	0.46	0.30
	09/02/11	34.81	0.00	379.13	**23,700**	--	--	**2,880**	317	563	**2,710**	--	3.2	0.97
	12/07/11	40.12	0.00	373.82	**15,300**	--	--	**1,280**	64.8	430	**1,210**	<1.0	5.0	0.14
	02/23/12	39.98	0.00	373.96	**18,400**	--	--	**1,110**	53.7	356	**1,360**	--	1.1	--
	05/22/12	29.37	0.00	384.57	**9,810**	--	--	**1,780**	148	304	**1,320**	--	0.36	0.23
	08/01/12	33.91	0.00	380.03	**11,200**	--	--	**1,820**	97.4	428	**1,470**	--	0.26	0.19
	03/22/13	32.59	0.00	381.35	**4,300**	--	--	**466**	13.7	114	271	--	<3.0	<10.0
	09/20/13	34.58	0.00	379.36	**19,600**	--	--	**3,960**	130.0	**760**	220	--	**16.70**	<10.0
	12/19/14	39.91	0.00	374.03	**13,000**	120	<500	**1,900**	33.0	**810**	**1,500**	--	<5.0	<5.0
	04/29/15	30.61	0.00	383.33	**13,600**	--	--	**1,830**	42.6	599	**1,300**	--	<10.0	<10.0
	07/23/15	35.92	0.00	378.02	**22,500**	--	--	**5,670**	190	**907**	**2,300**	--	--	--
	10/15/15	40.35	0.00	373.59	**10,700**	--	--	**1,460**	26.3	449	537	--	--	--
	09/27/16	38.80	0.00	375.14	**10,400**	--	--	**1,140**	61.4	479	898	--	<10.0	<10.0
	09/20/17	35.11	0.00	378.83	**2,860**	--	--	**327**	22.0	174	294	--	<10.0	<10.0
	09/05/18	37.61	0.00	376.33	**7,570**	--	--	**1,070**	50.2	579	404	--	2.0 J	<2.0
	Well Decommissioned in Octoer 2018													

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW2A	12/9/04 [NP]	NM	--	NE	--	--	--	--	--	--	--	--	--	--
NE	02/08/05	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	05/16/05	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	08/18/05	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	11/22/05	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	03/01/06	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	05/30/06	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	08/28/06	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	11/14/06	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	02/21/07	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	05/22/07	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	08/20/07	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	11/19/07	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	02/19/08	NM	--	NE	--	--	--	--	--	--	--	--	--	--
414.5	05/19/08	NM	--	NE	--	--	--	--	--	--	--	--	--	--
	08/18/08	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/08	NM	Stinger lodged in well, unable to gauge or sample.											
	02/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	05/04/09	NM	Stinger lodged in well, unable to gauge or sample.											
	08/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	11/03/09	NM	Stinger lodged in well, unable to gauge or sample.											
	02/08/10	NM	Stinger lodged in well, unable to gauge or sample.											
	05/03/10	NM	Stinger lodged in well, unable to gauge or sample.											
	09/07/10	NM	Stinger lodged in well, unable to gauge or sample.											
	12/01/10	NM	Stinger lodged in well, unable to gauge or sample.											
	02/10/11	NM	Stinger lodged in well, unable to gauge or sample.											
	05/18/11	NM	Stinger lodged in well, unable to gauge or sample.											
	09/02/11	NM	Stinger lodged in well, unable to gauge or sample.											
	12/07/11	NM	Stinger lodged in well, unable to gauge or sample.											
	08/01/12	NM	Stinger lodged in well, unable to gauge or sample.											
	03/22/13	NM	Stinger lodged in well, unable to gauge or sample.											
	09/20/13	NM	Stinger lodged in well, unable to gauge or sample.											
	12/19/14	NM	Stinger lodged in well, unable to gauge or sample.											
	04/29/15	NM	Stinger lodged in well, unable to gauge or sample.											
	07/23/15	NM	Stinger lodged in well, unable to gauge or sample.											
	10/15/15	NM	Stinger lodged in well, unable to gauge or sample.											
	09/27/16	NM	Stinger lodged in well, unable to gauge or sample.											
	09/19/17	NM	Stinger lodged in well, unable to gauge or sample.											
	09/04/18	NM	Stinger lodged in well, unable to gauge or sample.											
	12/11/18	NM	Stinger lodged in well, unable to gauge or sample.											
GW3	05/02/94	71.02	0.00	31.93	--	--	--	--	--	--	--	--	--	--
102.95	11/11/94	82.85	0.00	20.10	<50	--	--	<0.5	<1	<1	<1	--	<2	--
102.78	02/17/95	82.81	0.00	19.97	<50	--	--	<0.5	<1	<1	<1	--	2	--
	05/16/95	82.02	0.00	20.76	<50	--	--	<0.5	<1	<1	<1	--	5	--
	08/09/95	81.33	0.00	21.45	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	11/06/95	81.21	0.00	21.57	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/13/96	84.06	0.00	18.72	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/21/96	80.60	0.00	22.18	--	--	--	--	--	--	--	--	--	--
	05/21/96	79.24	0.00	23.54	--	--	--	--	--	--	--	--	--	--
	06/06/96	79.07	0.00	23.71	--	--	--	--	--	--	--	--	--	--
	06/11/96	78.97	0.00	23.81	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	09/24/96	78.21	0.00	24.57	<50	--	--	0.7	2	<1	3	--	2	--
	12/12/96	78.64	0.00	24.14	216	--	--	**21.6**	54	2	11	--	<2	--
	03/24/97	77.93	0.00	24.85	<50	--	--	<0.5	<1	<1	<1	--	**38**	--
	04/11/97	77.40	0.00	25.38	--	--	--	--	--	--	--	--	--	--
	06/18/97	76.11	0.00	26.67	<50	--	--	<0.5	1	<1	<1	--	13	--
	08/25/97	75.68	0.00	27.10	<50	--	--	<0.5	<1	<1	<1	--	13	--
	11/19/97[*]	76.58	0.00	26.20	<50	--	--	<0.5	<1	<1	<1	--	**18**	--
	02/12/98 [NP]	76.72	0.00	26.06	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/14/98 [NP]	76.15	0.00	26.63	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	76.35	0.00	26.43[b]	--	--	--	--	--	--	--	--	--	--
	11/13/98	77.88	0.00	24.90[b]	--	--	--	--	--	--	--	--	--	--
	02/10/99	78.98	0.00	23.80[b]	--	--	--	--	--	--	--	--	--	--
	05/28/99 [NP]	79.68	0.00	23.10[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99 [NP]	76.45	0.00	26.33[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99 [NP]	79.18	0.00	23.60	--	--	--	--	--	--	--	--	--	--
	02/09/00 [NP]	78.42	0.00	24.36	--	--	--	--	--	--	--	--	--	--
	05/24/00 [NP]	77.46	0.00	25.32	352	--	--	<0.500	<0.500	<0.500	36.4	--	--	--
	09/11/00 [NP]	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	81.80	0.00	20.98	<50	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	82.30	0.00	20.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	81.10	0.00	21.68	94.9	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	11/20/02	80.72	0.00	22.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.52	<1.00
	05/21/03 [NP]	81.15	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03 [NP]	81.59	0.00	21.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04 [NP]	81.35	0.00	21.43	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	82.21	0.00	20.57	--	--	--	--	--	--	--	--	--	--
	02/08/05	82.54	0.00	20.24	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	82.75	0.00	20.03	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	82.56	0.00	20.22	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	82.51	0.00	20.27	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	82.40	0.00	20.38	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.8	<8.4	--

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	05/30/06	81.72	0.00	21.06	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	81.10	0.00	21.68	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	81.50	0.00	21.28	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	81.05	0.00	21.73	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**64.5**	**62.2**
	05/22/07	81.10	0.00	21.68	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	79.42	0.00	23.36	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
GW3 Cont.	02/19/08	80.47	0.00	22.31	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	7.4
417.74	05/19/08	80.52	0.00	337.22	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	80.80	0.00	336.94	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.0	<6.9
	11/17/08	81.19	0.00	336.55	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	81.50	0.00	336.24	--	--	--	--	--	--	--	--	--	--
	05/04/09	81.72	0.00	336.02	87.2 4n	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	1.50	<1.0
	08/03/09	81.65	0.00	336.09	--	--	--	--	--	--	--	--	--	--
	11/03/09	81.95	0.00	335.79	Well gauged only this quarter.									
	02/08/10	82.22	0.00	335.52	Well gauged only this quarter.									
	05/03/10	81.60	0.00	336.14	Well gauged only this quarter.									
	09/07/10	80.72	0.00	337.02	Well gauged only this quarter.									
	12/01/10	81.18	0.00	336.56	Well gauged only this quarter.									
	02/10/11	78.17	0.00	339.57	Well gauged only this quarter.									
	05/18/11	79.56	0.00	338.18	Well gauged only this quarter.									
	09/02/11	78.65	0.00	339.09	Well gauged only this quarter.									
	12/07/11	79.10	0.00	338.64	Well gauged only this quarter.									
	02/23/12	79.91	0.00	337.83	Well gauged only this quarter.									
	05/22/12	79.81	0.00	337.93	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	80.86	--	336.88	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	80.70	--	337.04	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	80.19	--	337.55	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	80.61	--	337.13	<250	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	09/27/16	79.00	--	338.74	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	77.01	--	340.73	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	78.31	--	339.43	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	Well Decommissioned in Octoer 2018													
GW4	05/02/94	DRY	--	--	--	--	--	--	--	--	--	--	--	--
101.84	11/11/94	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/95	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/95	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/09/95	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/06/95	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/21/96	78.27	0.00	23.57	--	--	--	--	--	--	--	--	--	--
	06/06/96	78.10	0.00	23.74	--	--	--	--	--	--	--	--	--	--
	06/11/96	78.02	0.00	23.82	--	--	--	--	--	--	--	--	--	--
	09/24/96	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	12/12/96	77.71	0.00	24.13	--	--	--	--	--	--	--	--	--	--
	03/24/97	76.88	0.00	24.96	<50	--	--	<50	<1	<1	<1	--	**52**	--
	04/11/97	76.36	0.00	25.48	--	--	--	--	--	--	--	--	--	--
	06/18/97	75.08	0.00	26.76	<50	--	--	<50	<1	<1	<1	--	4	--
	08/25/97	74.70	0.00	27.14	300	--	--	**9.8**	15	3	46	--	4	--
	11/19/97[*]	75.61	0.00	26.23	<50	--	--	0.8	<1	<1	<1	--	**18**	--
	02/12/98[NP]	75.90	0.00	25.94	<50	--	--	1	<1	<1	<1	--	**27**	--
	05/14/98[NP]	75.18	0.00	26.66	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98[NP]	75.45	0.00	26.39[b]	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	11/13/98[NP]	77.24	0.00	24.60[b]	<50	--	--	<0.5	<1	<1	<1	--	**103**	--
	02/10/99	78.08	0.00	23.76[b]	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	05/28/99[NP]	73.80	0.00	28.04[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	75.54	0.00	26.30[b]	<50	--	--	0.5	<1	<1	2	--	--	--
	11/11/99[NP]	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	77.50	0.00	24.34	<50	--	--	<0.5	<1	<1	<1	--	**24**	--
	05/24/00[NP]	75.70	0.00	26.14	<50.0	--	--	<0.500	<0.500	<0.500	2.88	--	--	--
	09/11/00[NP]	71.56	0.00	30.28	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00[NP]	78.40	0.00	23.44	141	--	--	<0.500	1.10	<0.500	5.59	--	**254**	--
	02/23/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/30/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/21/03[NP]	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/03[NP]	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	5/13/04[NP]	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/04 [NP]	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/22/05	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	03/01/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/30/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/28/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/06	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/21/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	05/22/07	DRY	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	8/20/2007[d]	78.47	DRY	23.37	--	--	--	--	--	--	--	--	--	--
	11/19/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
416.79	05/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/04/09	79.15	0.00	337.64	--	--	--	--	--	--	--	--	--	--
	5/4/090	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	08/03/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--
GW4 Cont.	11/03/09	79.10	0.00	337.69	Well gauged only this quarter.									
	02/08/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	09/07/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	12/01/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/10/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	05/18/11	78.55	0.00	338.24	Well gauged only this quarter.									
	09/02/11	77.64	0.00	339.15	Well gauged only this quarter.									
	12/07/11	78.21	0.00	338.58	Well gauged only this quarter.									
	02/23/12	Dry	--	--	Well gauged only this quarter.									
	05/22/12	Dry	--	--	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	04/29/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	07/23/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	10/15/15	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/27/16	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--
	09/19/17	76.10	0.00	340.69	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/11/18	77.37	--	339.42	Well gauged only this quarter.									
	Well Decommissioned in Octoer 2018													
GW5	05/02/94	78.84	0.00	20.14	**100,000**	--	--	**8,200**	**15,000**	**2,100**	**12,000**	--	3	--
98.98	11/11/94	79.14	0.00	19.84	**160,000**	--	--	**20,000**	**33,000**	**2,300**	**15,000**	--	6	--
	02/17/95	79.14	0.00	19.84	**130,000**	--	--	**14,000**	**25,000**	**1,550**	**11,000**	--	6	--
	05/16/95	78.31	0.00	20.67	**180,000**	--	--	**19,000**	**34,000**	**2,300**	**16,000**	--	8	--
	08/09/95	77.55	0.00	21.43	**200,000**	--	--	**22,000**	**38,000**	**2,400**	**18,000**	--	**17**	--
	11/06/95	77.49	0.00	21.49	**184,000**	--	--	**20,000**	**42,000**	**2,900**	**19,000**	--	**15**	--
	02/13/96	77.31	0.00	21.67	**190,000**	--	--	**19,000**	**42,000**	**2,900**	**18,000**	--	8	--
	02/21/96	76.89	0.00	22.09	--	--	--	--	--	--	--	--	--	--
	05/21/96	75.21	0.00	23.77	**32,000**	--	--	**1,800**	**2,100**	100	**5,900**	--	6	--
	06/06/96	75.04	0.00	23.94	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.07	0.00	23.91	--	--	--	--	--	--	--	--	--	--
	09/24/96	74.47	0.00	24.51	**56,000**	--	--	**3,800**	**5,100**	90	**8,700**	--	4	--
	12/12/96	74.99	0.00	23.99	**88,000**	--	--	**2,200**	**4,700**	43	**16,000**	--	**42**	--
	03/24/97	24.90	0.00	74.08	**7,800**	--	--	**690**	790	13	**1,300**	--	**34**	--
	04/11/97	73.31	0.00	25.67	--	--	--	--	--	--	--	--	--	--
	06/18/97	72.05	0.00	26.93	**90,000**	--	--	**9,000**	**21,000**	**1,400**	**12,000**	--	4	--
	08/25/97	71.85	0.00	27.13	**45,000**	--	--	**4,600**	**7,000**	180	**6,500**	--	4	--
	11/19/97[*]	72.77	0.00	26.21	**44,000**	--	--	**3,700**	**7,200**	530	**4,800**	--	5	--
	02/12/98[NP]	73.10	0.00	25.88	**65,000**	--	--	**6,800**	**10,000**	**990**	**5,500**	--	3	--
	05/14/98[NP]	72.40	0.00	26.58[b]	**56,000**	--	--	**7,700**	**11,000**	**1,000**	**10,000**	--	6	--
	08/25/98[NP]	67.44	0.00	31.54[b]	**25,000**	--	--	**120**	**450**	58	**5,300**	--	6	--
	11/13/98	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	72.85	0.00	26.13[b]	**4,900**	--	--	**430**	480	36	560	--	--	--
	11/11/99[NP]	76.11	0.00	22.87	276	--	--	3.07	4.94	0.815	22.2	--	**9.62**	--
	02/09/00[NP]	75.62	0.00	23.36	94	--	--	<0.5	2	<1	9	--	7	--
	05/24/00[NP]	38.60	0.00	60.38	367	--	--	**21.9**	40.1	1.34	77.2	--	--	--
	09/11/00[NP]	60.00	0.00	38.98	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	48.75	0.00	50.23	436	--	--	<0.500	4.35	1.57	50.1	--	5.31	--
	05/16/01	79.44	0.00	19.54	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.35	--
	08/30/01[NP]	77.78	0.00	21.20	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.04	--
	11/19/01	79.37	0.00	19.61	472	--	--	<0.500	8.43	1.34	79.1	--	1.93	--
	05/04/02	76.90	0.00	22.08	<50.0	--	--	<0.500	0.630	<0.500	1.82	--	<1.00	--
	11/20/02	76.93	0.00	22.05	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.70	<1.00
	05/21/03[NP]	78.00	0.00	20.98	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.02	<1.00
	11/14/03[NP,C]	79.12	0.00	19.87	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.51	0.00	20.47	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	80.04	0.00	18.94	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.70	0.00	20.28	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.64	0.00	19.34	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	80.55	0.00	18.43	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	78.24	0.00	20.74	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	77.97	0.00	21.01	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	77.33	0.00	21.65	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	76.68	0.00	22.30	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.35	0.00	20.63	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	76.70	0.00	22.28	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	43.6	43.3
	05/22/07	75.78	0.00	23.20	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	75.15	0.00	23.83	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	76.01	0.00	22.97	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	73.98	0.00	25.00	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
413.40	05/19/08	76.12	0.00	337.28	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	76.52	0.00	336.88	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/17/08	77.00	0.00	336.40	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	77.30	0.00	336.10	--	--	--	--	--	--	--	--	--	--
	05/04/09	77.40	0.00	336.00	<50.0 4n	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/03/09	77.38	0.00	336.02	--	--	--	--	--	--	--	--	--	--
	11/03/09	77.71	0.00	335.69	Well gauged only this quarter.									
	02/08/10	77.94	0.00	335.46	Well gauged only this quarter.									
	05/03/10	77.19	0.00	336.21	Well gauged only this quarter.									
	09/07/10	76.40	0.00	337.00	Well gauged only this quarter.									
	12/01/10	76.94	0.00	336.46	Well gauged only this quarter.									
	02/10/11	76.18	0.00	337.22	Well gauged only this quarter.									
	05/18/11	74.77	0.00	338.63	Well gauged only this quarter.									
GW5 Cont.	09/02/11	74.33	0.00	339.07	Well gauged only this quarter.									
	12/07/11	74.94	0.00	338.46	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	0.33	0.13
	02/23/12	75.78	0.00	337.62	Well gauged only this quarter.									
	05/22/12	75.44	0.00	337.96	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	76.60	--	336.80	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	4/29/2015**	74.44	--	338.96	249	--	--	**14.2**	<1.0	1.6	14.7	--	<10.0	<10.0
	07/23/15	75.06	--	338.34	182	--	--	3.9	<1.0	2.4	7.6	--	--	--
	10/15/15	76.34	--	337.06	<250	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	09/27/16	74.75	--	338.65	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	63.21	--	350.19	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	74.04	--	339.36	<19.6	--	--	0.60 J	<0.083	<0.14	<0.31	--	<2.0	<2.0
	Well Decommissioned in October 2018													
GW6	05/02/94	42.10	**1.90**	57.57	--	--	--	--	--	--	--	--	--	--
98.24	11/11/94	41.67	**0.65**	57.06	**LPH Present**	--	--					--	--	--
	02/17/95	41.13	**0.24**	57.29	**LPH Present**	--	--					--	--	--
	05/16/95	32.62	**0.24**	65.80	**130,000**	--	--	**14,000**	**21,000**	**2,000**	**11,000**	--	2	--
	08/09/95	32.65	**0.03**	65.61	**LPH Present**	--	--					--	--	--
	11/06/95	40.26	**0.06**	58.03	**LPH Present**	--	--					--	--	--
	02/13/96	32.10	0.00	66.14	**68,000**	--	--	**11,000**	**13,000**	**1,100**	**6,000**	--	5	--
	02/21/96	32.18	**0.05**	66.10	--	--	--	--	--	--	--	--	--	--
	05/21/96	27.40	0.00	70.84	**36,000**	--	--	**2,300**	**3,300**	560	**3,700**	--	**20**	--
	06/06/96	28.16	0.00	70.08	--	--	--	--	--	--	--	--	--	--
	06/11/96	28.23	0.00	70.01	--	--	--	--	--	--	--	--	--	--
	09/24/96	35.38	0.00	62.86	**36,000**	--	--	**3,800**	**5,100**	**790**	**4,300**	--	**22**	--
	12/12/96	37.76	0.00	60.48	**66,000**	--	--	**4,100**	**7,900**	**1,100**	**6,500**	--	**48**	--
	03/24/97	24.55	0.00	73.69	**82,000**	--	--	**2,700**	**12,000**	**1,700**	**10,000**	--	**41**	--
	04/11/97	23.32	0.00	74.92	--	--	--	--	--	--	--	--	--	--
	06/18/97	25.51	0.00	72.73	**43,000**	--	--	**4,100**	**7,300**	**800**	**4,500**	--	10	--
	08/25/97	30.55	0.00	67.69	**52,000**	--	--	**5,600**	**11,000**	**1,200**	**6,200**	--	10	--
	11/19/97[c]	34.17	0.00	64.07	**81,000**	--	--	**8,700**	**15,000**	**1,500**	**7,700**	--	13	--
	02/12/98[NP]	26.67	0.00	71.57	**1,400**	--	--	**33**	51	59	110	--	6	--
	05/14/98[NP]	26.00	0.00	72.24[b]	**1,800**	--	--	**42**	170	98	310	--	5	--
	08/25/98[NP]	25.99	0.00	72.25[b]	**14,000**	--	--	**220**	890	**79**	**3,100**	--	5	--
	11/13/98	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	02/10/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	05/28/99	Inaccessible - Lid Stuck		--	--	--	--	--	--	--	--	--	--	--
	08/18/99[NP]	32.94	0.00	65.30[b]	**26,000**	--	--	**1,100**	**2,600**	240	**3,100**	--	--	--
	11/11/99[NP]	43.39	0.00	54.85	218	--	--	1.11	5.55	0.642	30.1	--	4.47	--
	02/09/00[NP]	36.20	0.00	62.04	<50	--	--	<0.5	<1	<1	2	--	<2	--
	05/24/00[NP]	27.52	0.00	70.72	<50.0	--	--	2.31	1.05	<0.500	1.34	--	--	--
	09/11/00[NP]	26.46	0.00	71.78	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00	40.05	0.00	58.19	**1,990**	--	--	**214**	265	20.7	333	--	**329**	--
	02/23/01	34.58	0.00	63.66	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.18	--
	05/16/01	43.52	0.00	54.72	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01[NP]	40.20	0.00	58.04	<50.0	--	--	1.73	<0.500	<0.500	1.17	--	1.87	--
	11/19/01	46.75	0.00	51.49	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	28.46	0.00	69.78	<50.0	--	--	0.748	<0.500	<0.500	1.08	--	5.23	--
	11/20/02	46.10	0.00	52.14	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	35.60	0.00	62.64	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP c]	46.05	0.00	52.19	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	34.02	0.00	64.22	<100	--	--	1.95	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	42.73	0.00	55.51	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	39.02	0.00	59.40	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	33.23	0.00	65.01	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	82.10	0.00	16.14	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	38.57	0.00	59.67	<48	--	--	0.7	<0.2	<0.2	0.6	--	<8.4	--
	03/01/06	32.80	0.00	65.44	100	--	--	8	<0.7	<0.8	1	<0.5	<8.4	--
	05/30/06	32.49	0.00	65.75	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	--	--	--	<48	--	--	4	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	41.00	0.00	57.24	<48	--	--	4	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	31.14	0.00	67.10	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**57.8**	**47.6**
	05/22/07	27.90	0.00	70.34	<50	--	--	1	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	35.30	0.00	62.94	<50	--	--	2	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	38.67	0.00	59.57	700	--	--	**230**	15	49	7	<0.5	<6.9	<6.9
	02/19/08	34.37	0.00	63.87	390	--	--	<0.5	83	12	18	10	12.1	<6.9
413.26	05/19/08	32.28	0.00	380.98	**800**	--	--	**280**	37	52	49	<0.5	**23.4**	<6.9
	08/18/08	36.15	0.00	377.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/18/08	38.74	0.00	374.52	790	--	--	**290**	17	35	64	<0.5	<6.9	<6.9
	02/04/09	37.20	0.00	376.06	388	<83	<420	**300**	7.40	34	20	<1	1.06	--
	05/04/09	32.52	0.00	380.74	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	**20.8**	<1.0
	08/03/09	34.00	0.00	379.26	**2,050**	--	--	**697**	30.7	126	158	<5.0	1.4	0.4

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	11/03/09	38.52	0.00	374.74	**1,660** 1n,Z2	--	--	**260**	8.6	100	118	<1.0	2.2	0.11
	02/08/10	33.24	0.00	380.02	19.2J, 1n	--	--	**16.7**	<1.0	1.8	3.8	<1.0	**18.8**	<0.10
	05/03/10	28.13	0.00	385.13	<50.0	--	--	1.1	<1.0	<1.0	<3.0	<1.0	**24.9**	<0.10
	09/07/10	33.90	0.00	379.36	**1,380**	--	--	**368**	13.2	93.9	156	<1.0	7.1	<0.10
	12/01/10	35.78	0.00	377.48	522	--	--	**277** M1	4.3	39.2	43.9	<1.0	5.3	0.25
	02/10/11	27.49	0.00	385.77	399	--	--	**123**	2.0	21.9	27.4	<1.0	1.6	0.14
	05/18/11	24.38	0.00	388.88	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	1.4	<0.10
	09/02/11	32.32	0.00	380.94	527	--	--	**79.8**	3.1	16.2	39.0	--	8.1	<0.10
	12/07/11	37.32	0.00	375.94	**1,260**	--	--	**112**	4.2	38.3	68.2	<1.0	1.6	0.14
	02/23/12	38.05	0.00	375.21	187	--	--	**37.2**	<1.0	8.6	8.4	--	4.8	--
	05/22/12	27.95	0.00	385.31	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	--	0.86	<0.10
	08/01/12	31.33	0.00	381.93	<50.0	--	--	4.8	<1.0	<1.0	<3.0	--	<0.10	<0.10
GW6 Cont.	03/22/13	29.28	0.00	383.98	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**31.2**	<10.0
	09/20/13	32.94	0.00	380.32	**1,050**	--	--	**92.8**	6	39	97	--	<10.0	<10.0
	12/19/14	36.47	0.00	376.79	530	<100	<500	**190**	4.1	34	48	--	<5.0	<5.0
	4/29/2015**	27.39	0.00	385.87	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	33.54	0.00	379.72	**3,760**	--	--	**252**	19.0	164	303	--	--	--
	10/15/15	38.12	0.00	375.14	**2,560**	--	--	**197**	13.8	125	243	--	--	--
	10/07/16	37.00	0.00	376.26	**1,140**	--	--	**115**	7.0	49.5	77.0	--	<10.0	<10.0
	09/20/17	33.16	0.00	380.10	739	--	--	**128**	8.1	44.6	56.1	--	<10.0	<10.0
	09/04/18	35.34	0.00	377.92	<19.6	--	--	0.34 J	<0.083	0.25J	<0.31	--	<2.0	<2.0
	Well Decommissioned in Octoer 2018													
GW7D [1]	11/11/94	77.35	0.00	19.82	<50	--	--	1.3	2	<1	2	--	<2	--
97.17	02/17/95	77.30	0.00	19.87	<50	--	--	0.7	<1	<1	<1	--	<2	--
	05/16/95	73.53	0.00	23.64	<50	--	--	1.5	<1	<1	<1	--	**19**	--
	08/09/95	75.50	0.00	21.67	<50	--	--	<4	<1	<1	<1	--	5	--
	11/06/95	75.73	0.00	21.44	<50	--	--	**6.6**	<1	<1	<1	--	12	--
	02/13/96	75.58	0.00	21.59	<50	--	--	1.1	<1	<1	<1	--	<2	--
	02/21/96	75.10	0.00	22.07	--	--	--	--	--	--	--	--	--	--
	05/21/96	73.61	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/06/96	73.55	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	06/11/96	73.46	0.00	23.71	<50	--	--	2.1	<1	<1	<1	--	7	--
	09/24/96	72.84	0.00	24.33	<50	--	--	2.6	<1	<1	<1	--	10	--
	12/12/96	73.18	0.00	23.99	<50	--	--	1.2	<1	<1	<1	--	9	--
	03/24/97	68.85	0.00	28.32	<50	--	--	0.8	<1	<1	<1	--	3	--
	04/11/97	71.89	0.00	25.28	--	--	--	--	--	--	--	--	--	--
	06/18/97	71.19	0.00	25.98	<50	--	--	1.0	<1	<1	<1	--	10	--
	08/25/97	70.32	0.00	26.85	<50	--	--	1.1	<1	<1	<1	--	10	--
	11/19/97	71.79	0.00	25.38	<50	--	--	<1	<1	<1	<1	--	14	--
	02/12/98[NP]	71.27	0.00	25.90	<50	--	--	<1	<1	<1	<1	--	2	--
	05/14/98[NP]	70.75	0.00	26.42[b]	<50	--	--	<0.5	<1	<1	<1	--	6	--
	08/25/98	70.64	0.00	26.53[b]	--	--	--	--	--	--	--	--	--	--
	11/13/98	71.30	0.00	25.87[b]	--	--	--	--	--	--	--	--	--	--
	02/10/99	73.76	0.00	23.41[b]	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	69.40	0.00	27.77[b]	<50	--	--	2.7	<1	<1	<1	--	8	--
	08/18/99[NP]	71.23	0.00	25.94[b]	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	71.62	0.00	25.55	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	73.20	0.00	23.97	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	76.55	0.00	20.62	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/01	77.92	0.00	19.25	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	7.14	--
	08/30/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	79.60	0.00	17.57	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	75.67	0.00	21.50	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	3.21	--
	11/20/02	76.20	0.00	20.97	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	11.5	<1.00
	05/21/03[NP]	76.20	0.00	20.97	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	**19.0**	13.0
	11/14/03[NP]	76.22	0.00	20.95	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	76.73	0.00	20.44	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04[NP]	78.31	0.00	18.86	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	76.85	0.00	20.32	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	77.07	0.00	20.10	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	77.68	0.00	19.49	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	77.17	0.00	20.00	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	76.84	0.00	20.33	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	76.32	0.00	20.85	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	8.7	<6.9
	08/28/06	75.71	0.00	21.46	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	76.22	0.00	20.95	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	75.58	0.00	21.59	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**62.1**	52
	05/22/07	74.70	0.00	22.47	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	74.05	0.00	23.12	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	74.91	0.00	22.26	65	--	--	<0.5	2	<0.8	1	<0.5	12.7	<6.9
	02/19/08	75.02	0.00	22.15	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**24.6**	<6.9
412.23	05/19/08	75.12	0.00	337.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**20.0**	<6.9
	08/18/08	75.37	0.00	336.86	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/18/08	75.85	0.00	336.38	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.9	<6.9
	02/04/09	76.11	0.00	336.12	--	--	--	--	--	--	--	--	--	--
	05/05/09	76.35	0.00	335.88	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	<1.0
	08/03/09	76.24	0.00	335.99	--	--	--	--	--	--	--	--	--	--
	11/03/09	76.58	0.00	335.65	Well gauged only this quarter.									
	02/08/10	76.79	0.00	335.44	Well gauged only this quarter.									
	05/03/10	76.13	0.00	336.1	Well gauged only this quarter.									
	09/07/10	75.29	0.00	336.94	Well gauged only this quarter.									

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	12/01/10	75.81	0.00	336.42	Well gauged only this quarter.									
	02/10/11	74.84	0.00	337.39	Well gauged only this quarter.									
	05/18/11	74.08	0.00	338.15	Well gauged only this quarter.									
	09/02/11	73.31	0.00	338.92	Well gauged only this quarter.									
	12/07/11	73.80	0.00	338.43	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	**23.3**	0.23
	02/23/12	74.64	0.00	337.59	Well gauged only this quarter.									
	05/22/12	74.36	0.00	337.87	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	NM	--	--	Well submerged under large surface puddle of water - not accessible.									
	04/29/15	75.27	--	336.96	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**19.0**	<10.0
	07/23/15	74.80	--	337.43	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
GW7D [1]	10/15/15	75.24	--	336.99	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
Cont.	10/07/16	73.80	--	338.43	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	**21.6**	<10.0
	09/20/17	71.70	--	340.53	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	72.98	--	339.25	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.7J	<2.0
	12/13/18	73.55	--	338.68	<19.6	--	--	4.4	1.7	0.31 J	<0.31	--	11.6	<2.0
GW8S	12/11/18	35.35	0.00	378.42	Insufficient water to sample									
413.77														
GW-8D [1]	11/11/94	79.12	0.00	19.70	**88,000**	--	--	**17,000**	**18,000**	**1,000**	**7,000**	--	4	--
98.82	02/17/95	79.04	0.00	19.78	**11,000**	--	--	**20,000**	**22,000**	**1,650**	**9,200**	--	5	--
	05/16/95	78.28	0.00	20.54	**98,000**	--	--	**19,000**	**18,000**	**1,500**	**8,300**	--	7	--
	08/09/95	77.57	0.00	21.25	**95,000**	--	--	**21,000**	**19,000**	**1,400**	**7,400**	--	6	--
	11/06/95	77.49	0.00	21.33	**99,000**	--	--	**21,000**	**21,000**	**1,600**	**8,100**	--	4	--
	02/13/96	77.27	0.00	21.55	**110,000**	--	--	**25,000**	**28,000**	**2,000**	**10,000**	--	5	--
	02/21/96	76.87	0.00	21.95	--	--	--	--	--	--	--	--	--	--
	05/21/96	75.33	0.00	23.49	**100,000**	--	--	**23,000**	**24,000**	**1,700**	**9,400**	--	2	--
	06/06/96	75.13	0.00	23.69	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.17	0.00	23.65	--	--	--	--	--	--	--	--	--	--
	09/24/96	74.60	0.00	24.22	**92,000**	--	--	**18,000**	**18,000**	**1,500**	**7,700**	--	4	--
	12/12/96	75.11	0.00	23.71	**130,000**	--	--	**19,000**	**22,000**	**1,600**	**8,500**	--	4	--
	03/24/97	74.04	0.00	24.78	**73,000**	--	--	**14,000**	**18,000**	**1,400**	**7,400**	--	3	--
	04/11/97	73.57	0.00	25.25	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.38	0.00	25.44	**90,000**	--	--	**20,000**	**23,000**	**1,500**	**8,200**	--	7	--
	08/25/97	72.08	0.00	26.74	**47,000**	--	--	**10,000**	**10,000**	**840**	**4,800**	--	7	--
	11/19/97[*]	72.91	0.00	25.91	**39,000**	--	--	**8,000**	**7,600**	**760**	**12,000**	--	**11**	--
	02/12/98[NP]	73.04	0.00	25.78	**6,600**	--	--	**920**	420	120	350	--	<2	--
	05/14/98[NP]	72.40	0.00	26.42	640	--	--	**200**	92	24	110	--	4	--
	08/25/98[NP]	64.50	0.00	34.32[b]	**4,200**	--	--	**150**	850	34	820	--	3	--
	11/13/98[NP]	73.98	0.00	24.84[b]	**1,500**	--	--	**38**	68	2	460	--	10	--
	02/10/99	75.38	0.00	23.44[b]	284	--	--	**66.4**	10.5	6.45	23.1	--	--	--
	05/28/99[NP]	64.90	0.00	33.92[b]	**17,000**	--	--	**230**	**1,200**	100	**3,400**	--	4	--
	08/18/99[NP]	72.90	0.00	25.92[b]	<50	--	--	0.7	<1	<1	<1	--	--	--
	11/11/99[NP]	76.78	0.00	22.04	<50.0	--	--	2.46	<0.500	0.509	1.44	--	1.06	--
	02/09/00[NP]	74.83	0.00	23.99	<50	--	--	3.4	<1	<1	<1	--	<2	--
	05/24/00[NP]	73.25	0.00	25.57	**8,100**	--	--	**34.3**	10.6	<5.00	**1,850**	--	--	--
	09/11/00[NP]	67.00	0.00	31.82	69.2	--	--	0.503	<0.500	<0.500	6.87	--	--	--
	11/27/00	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	73.69	0.00	25.13	62.1	--	--	<0.500	<0.500	<0.500	< 1.00	--	2.03	--
	05/16/01	DRY	--	--	--	--	--	--	--	--	--	--	--	--
	08/30/01[NP]	78.15	0.00	20.67	<50.0	--	--	<0.500	<0.500	<0.500	3.05	--	1.50	--
	11/19/01	78.87	0.00	19.95	99.1	--	--	<0.500	2.47	<0.500	25.6	--	<1.00	--
	05/04/02	76.32	0.00	22.50	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	11/20/02	77.19	0.00	21.63	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	77.11	0.00	21.71	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	77.69	0.00	21.14	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	77.64	0.00	21.18	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	77.70	0.00	21.12	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.21	0.00	20.61	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.11	0.00	19.71	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	79.44	0.00	19.38	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.6	<8.4	--
	11/11/05	78.57	0.00	20.25	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	78.40	0.00	20.42	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	77.71	0.00	21.11	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	77.20	0.00	21.62	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.50	0.00	20.32	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.15	0.00	21.67	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**51.1**	**46.2**
	05/22/07	76.32	0.00	22.50	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	75.73	0.00	23.09	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	76.60	0.00	22.22	150	--	--	3	5	1	8	<0.5	<6.9	<6.9
	02/19/08	76.65	0.00	22.17	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	7.7	<6.9
413.79	05/19/08	76.76	0.00	337.03	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	77.09	0.00	336.70	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	77.50	0.00	336.29	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	77.75	0.00	336.04	--	--	--	--	--	--	--	--	--	--
	05/05/09	78.04	0.00	335.75	<50.0	<85	<430	<1.0	<1.0	<1.0	3.1	<1.0	1.8	<1.0
	08/03/09	77.93	0.00	335.86	--	--	--	--	--	--	--	--	--	--
	11/03/09	78.20	0.00	335.59	Well gauged only this quarter.									
	02/08/10	78.40	0.00	335.39	Well gauged only this quarter.									
	05/03/10	77.79	0.00	336.00	Well gauged only this quarter.									
	09/07/10	76.95	0.00	336.84	Well gauged only this quarter.									
	12/01/10	77.46	0.00	336.33	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	8.5	0.15
	02/10/11	74.16	0.00	339.63	Well gauged only this quarter.									
	05/18/11	75.58	0.00	338.21	Well gauged only this quarter.									

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	09/02/11	74.90	0.00	338.89	Well gauged only this quarter.									
	12/07/11	75.47	0.00	338.32	Well gauged only this quarter.									
GW8D [1]	02/23/12	76.29	0.00	337.50	Well gauged only this quarter.									
Cont.	05/22/12	76.72	0.00	337.07	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	77.11	0.00	336.68	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	76.89	0.00	336.90	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	76.46	0.00	337.33	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	76.91	0.00	336.88	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
	09/28/16	75.30	0.00	338.49	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	73.40	0.00	340.39	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	74.62	0.00	339.17	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	75.05	0.00	338.74	<19.6	--	--	<0.10	<0.083	0.28J	<0.31	--	2.2J	<2.0
GW9D [1]	11/11/94	79.83	0.00	19.74	**93,000**	--	--	**6,600**	**18,000**	**1,400**	**9,300**	--	<2	--
99.57	02/17/95	79.79	0.00	19.78	**87,000**	--	--	**9,100**	**17,000**	**1,330**	**7,900**	--	3	--
	05/16/95	78.99	0.00	20.58	**68,000**	--	--	**7,700**	**12,000**	**1,200**	**6,000**	--	3	--
	08/09/95	78.32	0.00	21.25	**88,000**	--	--	**12,000**	**18,000**	**1,200**	**7,100**	--	6	--
	11/06/95	78.23	0.00	21.34	**88,000**	--	--	**11,000**	**20,000**	**1,300**	**7,900**	--	<2	--
	02/13/96	78.00	0.00	21.57	**69,000**	--	--	**11,000**	**16,000**	**1,300**	**6,300**	--	3	--
	02/21/96	77.60	0.00	21.97	--	--	--	--	--	--	--	--	--	--
	05/21/96	76.05	0.00	23.52	**76,000**	--	--	**13,000**	**20,000**	**1,500**	**7,500**	--	2	--
	06/06/96	76.01	0.00	23.56	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.91	0.00	23.66	--	--	--	--	--	--	--	--	--	--
	09/24/96	75.26	0.00	24.31	**34,000**	--	--	**4,600**	**6,200**	650	**2,800**	--	6	--
	12/12/96	75.77	0.00	23.80	**100,000**	--	--	**11,000**	**18,000**	**1,700**	**8,400**	--	6	--
	03/24/97	74.81	0.00	24.76	**64,000**	--	--	**7,400**	**14,000**	**1,400**	**1,200**	--	10	--
	04/11/97	74.32	0.00	25.25	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.05	0.00	26.52	**74,000**	--	--	**8,500**	**20,000**	**1,500**	**7,700**	--	8	--
	08/25/97	72.87	0.00	26.70	**47,000**	--	--	**4,000**	**11,000**	**940**	**4,600**	--	8	--
	11/19/97[*]	73.61	0.00	25.96	**34,000**	--	--	**2,500**	**6,900**	**760**	**3,300**	--	**27**	--
	02/12/98[NP]	73.75	0.00	25.82	52	--	--	2	4	2	7	--	3	--
	05/14/98[NP]	73.12	0.00	26.45	<50	--	--	<0.5	<1	<1	1	--	<2	--
	08/25/98[NP]	72.54	0.00	27.03	**46,000**	--	--	**1,800**	**6,700**	150	**11,000**	--	6	--
	11/13/98[NP]	74.80	0.00	24.77	200	--	--	**93**	6	6	32	--	2	--
	02/10/99	76.08	0.00	23.49	**3,250**	--	--	**647**	215	112	482	--	--	--
	05/28/99[NP]	68.45	0.00	31.12	**3,000**	--	--	**32**	34	10	630	--	9	--
	08/18/99[NP]	73.61	0.00	25.96	<50	--	--	2.9	<1	<1	<1	--	--	--
	11/11/99[NP]	77.38	0.00	22.19	**6,440**	--	--	**2,510**	129	625	841	--	7.05	--
	02/09/00[NP]	75.54	0.00	24.03	320	--	--	**34**	<0.5	0.67	0.74	--	<2	--
	05/24/00[NP]	75.90	0.00	23.67	98.0	--	--	<1.25	<0.550	<0.500	3.11	--	--	--
	09/11/00[NP]	68.40	0.00	31.17	**1,160**	--	--	**94.8**	2.53	40.3	134	--	--	--
	11/27/00[NP]	76.41	0.00	23.16	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	3.70	--
	02/23/01	74.59	0.00	24.98	133	--	--	0.721	< 0.500	3.34	3.07	--	10.6	--
	05/16/01	79.10	0.00	20.47	<50.0	--	--	3.92	< 0.500	1.18	< 1.00	--	<1.00	--
	08/30/01[NP]	78.85	0.00	20.72	63.4	--	--	**52.5**	< 0.500	2.39	<1.00	--	2.03	--
	11/19/01	79.38	0.00	20.19	<50.0	--	--	0.726	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.05	0.00	21.52	<50.0	--	--	0.670	<0.500	<0.500	1.31	--	2.76	--
	11/20/02	77.97	0.00	21.60	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	78.09	0.00	21.48	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	78.36	0.00	21.22	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.40	0.00	21.17	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	78.48	0.00	21.09	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	78.85	0.00	20.72	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	79.71	0.00	19.86	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	79.94	0.00	19.63	<48	--	--	0.6	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.37	0.00	20.20	<48	--	--	0.6	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	79.12	0.00	20.45	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	78.42	0.00	21.15	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	77.87	0.00	21.70	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.45	0.00	21.12	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.88	0.00	21.69	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	**52.9**	**49.5**
	05/22/07	77.00	0.00	22.57	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	76.45	0.00	23.12	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--
	02/19/08	77.37	0.00	22.20	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	8.8	<6.9
414.53	05/19/08	77.47	0.00	337.06	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	77.78	--	336.75	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	78.20	0.00	336.33	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	78.50	0.00	336.03	--	--	--	--	--	--	--	--	--	--
	05/05/09	78.78	0.00	335.75	<50.0	<85	<430	<1.0	1.0	<1.0	5.3	<1.0	1.1	<1.0
	08/03/09	78.65	0.00	335.88	--	--	--	--	--	--	--	--	--	--
	11/03/09	78.92	0.00	335.61	Well gauged only this quarter.									
	02/08/10	79.11	0.00	335.42	Well gauged only this quarter.									
	05/03/10	78.52	0.00	336.01	Well gauged only this quarter.									
	09/07/10	77.70	0.00	336.83	Well gauged only this quarter.									
	12/01/10	78.15	0.00	336.38	671	--	--	<1.0	<1.0	9.3	47.2	<1.0	1.9	<0.10
	02/10/11	77.80	0.00	336.73	Well gauged only this quarter.									
	05/18/11	76.37	0.00	338.16	Well gauged only this quarter.									
	09/02/11	75.65	0.00	338.88	Well gauged only this quarter.									
	12/07/11	76.18	0.00	338.35	Well gauged only this quarter.									
	02/23/12	76.92	0.00	337.61	Well gauged only this quarter.									
	05/22/12	76.04	0.00	338.49	Well gauged only this quarter.									

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
GW9D [1]	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
Cont.	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	77.82	--	336.71	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	77.57	--	336.96	272	--	--	<1.0	<1.0	<1.0	10.8	--	<10.0	<10.0
	07/23/15	77.17	--	337.36	148	--	--	<1.0	<1.0	<1.0	4.9	--	--	--
	10/15/15	78.23	--	336.30	<250	--	--	<0.5	<0.5	<0.5	2.8	--	--	--
	10/07/16	76.10	--	338.43	130	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/20/17	74.09	--	340.44	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	75.37	--	339.16	<19.6	--	--	<0.10	0.17 J	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	75.75	--	338.78	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
GW10S	12/13/18	22.10	--	392.36	<19.6	--	--	0.37 J	0.32 J	<0.14	<0.31	--	<2.0	<2.0
414.46														
GW10D [1]	11/11/94	80.74	0.00	19.82	510	--	--	**14.4**	39	2	46	--	<2	--
100.56	02/17/95	80.68	0.00	19.88	**1,230**	--	--	**19.8**	119	11	129	--	<2	--
	05/16/95	79.89	0.00	20.67	810	--	--	**19.2**	94	<1	97	--	<2	--
	08/09/95	79.21	0.00	21.35	120	--	--	2.2	6	<1	21	--	2	--
	11/06/95	79.10	0.00	21.46	290	--	--	**5.9**	21	<1	46	--	2	--
	02/13/96	78.92	0.00	21.64	**2,600**	--	--	**38**	291	10	324	--	<2	--
	02/21/96	78.48	0.00	22.08	--	--	--	--	--	--	--	--	--	--
	05/21/96	77.00	0.00	23.56	**1,260**	--	--	**28.9**	121	8	190	--	<2	--
	06/06/96	76.94	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	06/11/96	76.82	0.00	23.74	--	--	--	--	--	--	--	--	--	--
	09/24/96	76.15	0.00	24.41	<50	--	--	0.6	<1	<1	3	--	4	--
	12/12/96	76.63	0.00	23.93	558	--	--	4.9	14	5	61	--	<2	--
	03/24/97	75.87	0.00	24.69	**1,200**	--	--	2.6	31	23	160	--	8	--
	04/11/97	75.29	0.00	25.27	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.98	0.00	26.58	**3,110**	--	--	**15.7**	133	68	434	--	3	--
	08/25/97	73.60	0.00	26.96	<50	--	--	<0.5	<1	<1	<1	--	3	--
	11/19/97[*]	74.52	0.00	26.04	<50	--	--	<0.5	<1	<1	<1	--	**26**	--
	02/12/98[NP]	74.61	0.00	25.95	<50	--	--	<0.5	<1	<1	<1	--	4	--
	05/14/98[NP]	73.74	0.00	26.82[b]	<50	--	--	<0.5	<1	<1	<1	--	4	--
	08/25/98[NP]	72.90	0.00	27.66[b]	**3,000**	--	--	**5.9**	55	15	310	--	2	--
	11/13/98[NP]	75.26	0.00	25.30[b]	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/10/99	76.77	0.00	23.79[b]	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	05/28/99[NP]	63.60	0.00	36.96[b]	<50	--	--	<0.5	<1	<1	<1	--	3	--
	08/18/99[NP]	74.17	0.00	26.39[b]	<50	--	--	<0.5	<1	<1	<1	--	--	--
	11/11/99[NP]	61.05	0.00	39.51	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	02/09/00[NP]	76.11	0.00	24.45	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	05/24/00[NP]	75.15	0.00	25.41	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00[NP]	36.00	0.00	64.56	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	80.17	0.00	20.39	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	< 1.00	--
	05/16/01	81.63	0.00	18.93	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01[NP]	79.60	0.00	20.96	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.07	--
	11/19/01	80.85	0.00	19.71	<50.0	--	--	<0.500	0.873	<0.500	1.03	--	<1.00	--
	05/04/02	78.81	0.00	21.75	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.84	--
	11/20/02	78.60	0.00	21.96	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	05/21/03[NP]	78.03	0.00	22.53	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	<1.00
	11/14/03[NP]	80.91	0.00	19.65	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	76.50	0.00	24.06	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	81.65	0.00	18.91	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	79.02	0.00	21.54	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	81.41	0.00	19.15	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	81.98	0.00	18.58	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	80.31	0.00	20.25	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	03/01/06	80.03	0.00	20.53	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	79.46	0.00	21.10	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	78.70	0.00	21.86	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	79.35	0.00	21.21	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	78.70	0.00	21.86	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	55.8	53.3
	05/22/07	77.82	0.00	22.74	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/20/07	77.15	0.00	23.41	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	77.00	0.00	23.56	67	--	--	<0.5	2	<0.8	3	<0.5	<6.9	<6.9
	02/19/08	78.12	0.00	22.44	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	11.4	<6.9
415.30	05/19/08	78.25	0.00	337.05	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	78.53	0.00	336.77	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	78.95	0.00	336.35	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	79.25	0.00	336.05	--	--	--	--	--	--	--	--	--	--
	05/04/09	79.29	0.00	336.01	<50.0	<83	<420	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	08/03/09	79.39	0.00	335.91	--	--	--	--	--	--	--	--	--	--
	11/03/09	79.60	0.00	335.70	Well gauged only this quarter.									
	02/08/10	79.92	0.00	335.38	Well gauged only this quarter.									
	05/03/10	79.29	0.00	336.01	Well gauged only this quarter.									
	09/07/10	78.40	0.00	336.90	Well gauged only this quarter.									
	12/01/10	78.95	0.00	336.35	Well gauged only this quarter.									
	02/10/11	76.95	0.00	338.35	Well gauged only this quarter.									
	05/18/11	77.20	0.00	338.10	Well gauged only this quarter.									
	09/02/11	76.35	0.00	338.95	Well gauged only this quarter.									
	12/07/11	76.87	0.00	338.43	Well gauged only this quarter.									
	02/23/12	77.78	0.00	337.52	Well gauged only this quarter.									
	05/22/12	77.52	0.00	337.78	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	12/19/14	78.62	--	336.68	<100	**560**	<500	0.51	<0.50	<0.50	1.0	--	<5.0	<5.0
	04/29/15	78.41	--	336.89	<100	<92	<230	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	77.93	--	337.37	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	10/15/15	78.35	--	336.95	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--
	09/27/16	76.80	--	338.50	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	74.79	--	340.51	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/04/18	76.06	--	339.24	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/13/18	76.60	--	338.70	<19.6	--	--	1.5	0.90 J	0.18 J	<0.31	--	2.9J	<2.0
GW11D [1]	11/11/94	79.83	0.00	19.89	<50	--	--	<0.5	<1	<1	<1	--	2	--
99.72	02/17/95	79.81	0.00	19.91	<50	--	--	<0.5	<1	<1	<1	--	5	--
	05/16/95	79.01	0.00	20.71	<50	--	--	1.5	<1	<1	<1	--	8	--
	08/09/95	78.35	0.00	21.37	<50	--	--	2.5	<1	<1	<1	--	4	--
	11/06/95	78.20	0.00	21.52	<50	--	--	0.7	<1	<1	<1	--	2	--
	02/13/96	78.02	0.00	21.70	<50	--	--	<0.5	<1	<1	<1	--	2	--
	02/21/96	77.55	0.00	22.17	--	--	--	--	--	--	--	--	--	--
	05/21/96	76.09	0.00	23.63	--	--	--	--	--	--	--	--	--	--
	06/06/96	76.03	0.00	23.69	--	--	--	--	--	--	--	--	--	--
	06/11/96	75.92	0.00	23.80	<50	--	--	<0.5	<1	<1	<1	--	6	--
	09/24/96	75.28	0.00	24.44	<50	--	--	<0.5	<1	<1	1	--	**25**	--
	12/12/96	75.80	0.00	23.92	<50	--	--	<0.5	<1	<1	<1	--	11	--
	03/24/97	74.69	0.00	25.03	<50	--	--	<0.5	<1	<1	<1	--	**29**	--
	04/11/97	74.34	0.00	25.38	--	--	--	--	--	--	--	--	--	--
	06/18/97	73.11	0.00	26.61	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	08/25/97	73.00	0.00	26.72	<50	--	--	<0.5	<1	<1	<1	--	**19**	--
	11/19/97[*]	73.61	0.00	26.11	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	02/12/98[NP]	73.78	0.00	25.94	<50	--	--	<0.5	<1	<1	<1	--	9	--
	05/14/98[NP]	73.17	0.00	26.55	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/25/98	70.10	0.00	29.62	--	--	--	--	--	--	--	--	--	--
	11/13/98	73.65	0.00	26.07	--	--	--	--	--	--	--	--	--	--
	02/10/99	76.10	0.00	23.62	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	64.90	0.00	34.82	<50	--	--	<0.5	<1	<1	<1	--	**98**	--
	08/18/99[NP]	73.88	0.00	25.84	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	77.08	0.00	22.64	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	75.61	0.00	24.11	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	75.55	0.00	24.17	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	80.33	0.00	19.39	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	08/30/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	80.66	0.00	19.06	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	<1.00	--
	05/04/02	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	2.18	--
	11/20/02	78.44	0.00	21.28	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.54	<1.00
	05/21/03[NP]	78.07	0.00	21.65	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.21	<1.00
	11/14/03[NP]	78.68	0.00	21.05	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	78.57	0.00	21.15	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/9/04 [NP]	79.91	0.00	19.81	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<10.0	<10.0
	02/08/05	79.61	0.00	20.11	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	--
	05/16/05	79.75	0.00	19.97	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	80.32	0.00	19.40	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	79.58	0.00	20.14	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	79.24	0.00	20.48	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/30/06	78.62	0.00	21.10	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	78.00	0.00	21.72	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.54	0.00	21.18	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	77.95	0.00	21.77	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.7	65.5
	05/22/07	77.05	0.00	22.67	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
GW11D[1] DUP	05/22/07	77.05	0.00	22.67	--	--	--	--	--	--	--	--	<6.9	<6.9
	08/20/07	76.39	0.00	23.33	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	77.22	0.00	22.50	91	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	77.35	0.00	22.37	--	--	--	--	--	--	--	--	--	--
414.58	05/19/08	77.48	0.00	337.10	--	--	--	--	--	--	--	--	--	--
	08/18/08	77.68	0.00	336.90	Well not sampled due to obstruction.									
	11/17/08	78.19	0.00	336.39	Well not sampled due to obstruction.									
	02/04/09	78.45	0.00	336.13	Well not sampled due to obstruction.									
	05/04/09	78.54	0.00	336.04	Well not sampled due to obstruction.									
	08/03/09	78.60	0.00	335.98	Well not sampled due to obstruction.									
	11/03/09	78.91	0.00	335.67	Well not sampled due to obstruction.									
	02/08/10	79.15	0.00	335.43	Well not sampled due to obstruction.									
	05/03/10	78.52	0.00	336.06	Well gauged only this quarter.									
	09/07/10	77.65	0.00	336.93	Well gauged only this quarter.									
	12/01/10	78.18	0.00	336.40	Well gauged only this quarter.									
	02/10/11	75.79	0.00	338.79	Well gauged only this quarter.									
	05/18/11	76.45	0.00	338.13	Well gauged only this quarter.									
	09/02/11	75.52	0.00	339.06	Well gauged only this quarter.									
	12/07/11	76.16	0.00	338.42	<50	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	7.9	0.15
	02/23/12	77.00	0.00	337.58	Well gauged only this quarter.									
	05/22/12	76.72	0.00	337.86	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/14	77.83	0.00	336.75	<100	110	<500	1.3	<0.50	0.92	2.3	--	<5.0	<5.0
	04/29/15	77.64	0.00	336.94	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	77.14	0.00	337.44	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--
	10/15/15	77.56	0.00	337.02	<250	--	--	<0.5	<0.5	<0.5	<1.0	--	--	--

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
	09/27/16	75.90	0.00	338.68	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
GW11D [1]	09/19/17	74.00	0.00	340.58	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	14.3	<10.0
Cont.	09/04/18	75.28	0.00	339.30	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.1J	<2.0
	12/11/18	75.85	0.00	338.73	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	3.0J	<2.0
GW12D [1]	04/20/95	--	--	--	<50	--	--	0.6	<1	<1	<1	--	3	--
91.32	05/16/95	67.52	0.00	23.80	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/09/95	67.18	0.00	24.14	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	11/06/95	67.51	0.00	23.81	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/13/96	67.35	0.00	23.97	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	02/21/96	66.98	0.00	24.34	--	--	--	--	--	--	--	--	--	--
	05/21/96	65.17	0.00	26.15	--	--	--	--	--	--	--	--	--	--
	06/06/96	65.09	0.00	26.23	--	--	--	--	--	--	--	--	--	--
	06/11/96	65.05	0.00	26.27	<50	--	--	<0.5	<1	<1	<1	--	**23**	--
	09/24/96	65.35	0.00	25.97	<50	--	--	<0.5	<1	<1	<1	--	7	--
	12/12/96	64.97	0.00	26.35	<50	--	--	<0.5	<1	<1	<1	--	**17**	--
	03/24/97	63.86	0.00	27.46	<50	--	--	<0.5	<1	<1	<1	--	7	--
	04/11/97	63.03	0.00	28.29	--	--	--	--	--	--	--	--	--	--
	06/18/97	62.12	0.00	29.20	<50	--	--	<0.5	<1	<1	<1	--	11	--
	08/25/97	62.24	0.00	29.08	<50	--	--	<0.5	<1	<1	<1	--	11	--
GW12D [1] Cont.	11/19/97	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/12/98[NP]	62.50	0.00	28.82	<50	--	--	<0.5	<1	<1	1	--	10	--
	05/14/98[NP]	62.10	0.00	29.22	<50	--	--	<0.5	<1	<1	1	--	6	--
	08/25/98	63.19	0.00	28.13	--	--	--	--	--	--	--	--	--	--
	11/13/98	64.60	0.00	26.72	--	--	--	--	--	--	--	--	--	--
	02/10/99	65.13	0.00	26.19	--	--	--	--	--	--	--	--	--	--
	05/28/99[NP]	61.84	0.00	29.48	<50	--	--	<0.5	<1	<1	<1	--	<2	--
	08/18/99[NP]	62.92	0.00	28.40	--	--	--	--	--	--	--	--	--	--
	11/11/99[NP]	64.40	0.00	26.92	--	--	--	--	--	--	--	--	--	--
	02/09/00[NP]	64.98	0.00	26.34	--	--	--	--	--	--	--	--	--	--
	05/24/00[NP]	63.14	0.00	28.18	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/11/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/27/00	NM	--	--	--	--	--	--	--	--	--	--	--	--
	02/23/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	05/16/01[NP]	66.70	0.00	24.62	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	4.41	--
	08/30/01	NM	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/01	67.40	0.00	23.92	<50.0	--	--	<0.500	<0.500	<0.500	1.01	--	9.34	--
	05/04/02	66.32	0.00	25.00	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	5.87	--
	11/20/02	66.52	0.00	24.80	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.47	<1.00
	05/21/03[NP]	66.65	0.00	24.67	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	1.96	<1.00
	11/14/03[NP]	64.91	0.00	26.42	<50.0	--	--	<1.00	<1.00	<1.00	<1.50	--	<5.00	<5.00
	5/13/04[NP]	64.80	0.00	26.52	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	<5.00	<5.00
	12/10/04 [NP]	67.05	0.00	24.27	<100	--	--	<1.00	<1.00	<1.00	<3.00	--	**15.5**	<10.0
	02/08/05	67.31	0.00	24.01	<100	--	--	<0.5	<1.00	<1.00	<3.00	--	<10.0	<10.0
	05/16/05	67.05	0.00	24.27	<100	--	--	<1	<1	<1	<3	<1	<15	<15
	08/18/05	66.87	0.00	24.45	<48	--	--	<0.2	<0.2	<0.2	<0.6	<0.3	<8.4	--
	11/22/05	67.43	0.00	23.89	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<8.4	--
	03/01/06	66.90	0.00	24.42	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<8.4	--
	05/31/06	66.35	0.00	24.97	<48	--	--	<0.2	<0.2	<0.2	<0.6	--	<6.9	<6.9
	08/28/06	66.07	0.00	25.25	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/14/06	78.00	0.00	13.32	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/21/07	65.91	0.00	25.41	<48	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	76.5	65.4
	05/22/07	66.08	0.00	25.24	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	12	<6.9
	08/20/07	64.97	0.00	26.35	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/19/07	69.95	0.00	21.37	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/19/08	65.58	0.00	25.74	<50	--	--	<0.5	0.7	<0.8	<0.8	<0.5	**19**	<6.9
406.56	05/19/08	65.45	0.00	341.11	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	08/18/08	65.88	0.00	340.68	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	11/17/08	66.40	0.00	340.16	<50	--	--	<0.5	<0.7	<0.8	<0.8	<0.5	<6.9	<6.9
	02/04/09	Unable to locate well			--	--	--	--	--	--	--	--	--	--
	05/05/09	67.12	0.00	339.44	<50.0	<83	<420	<1.0	<1.0	<1.0	2.4	<1.0	3.7	<1.0
	08/03/09	64.60	0.00	341.96	--	--	--	--	--	--	--	--	--	--
	11/03/09	66.80	0.00	339.76	Well gauged only this quarter.									
	02/08/10	66.85	0.00	339.71	Well gauged only this quarter.									
	05/03/10	65.81	0.00	340.75	Well gauged only this quarter.									
	09/07/10	65.45	0.00	341.11	Well gauged only this quarter.									
	12/01/10	66.03	0.00	340.53	<50.0	--	--	<1.0	<1.0	<1.0	<3.0	<1.0	8.3	0.50
	02/10/11	65.39	0.00	341.17	Well gauged only this quarter.									
	05/18/11	64.83	0.00	341.73	Well gauged only this quarter.									
	09/02/11	64.90	0.00	341.66	Well gauged only this quarter.									
	12/07/11	65.43	0.00	341.13	Well gauged only this quarter.									
	02/23/12	66.18	0.00	340.38	Well gauged only this quarter.									
	05/22/12	63.55	0.00	343.01	Well gauged only this quarter.									
	08/01/12	NM	--	--	--	--	--	--	--	--	--	--	--	--
	03/22/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	09/20/13	NM	--	--	--	--	--	--	--	--	--	--	--	--
	12/18/14	64.45	--	342.11	<100	<100	<500	<0.50	<0.50	<0.50	<0.50	--	<5.0	<5.0
	04/29/15	63.40	--	343.16	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	07/23/15	63.75	--	342.81	<100	--	--	<1.0	<1.0	1.5	<3.0	--	--	--
	10/15/15	65.62	--	340.94	Well gauged only this quarter.									
	10/07/16	64.50	--	342.06	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/19/17	62.35	--	344.21	<100	--	--	<1.0	<1.0	<1.0	<3.0	--	<10.0	<10.0
	09/05/18	63.65	--	342.91	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	<2.0	<2.0
	12/12/18	64.28	--	342.28	<19.6	--	--	<0.10	<0.083	<0.14	<0.31	--	2.8J	<2.0
GW13S	12/13/18	38.85	--	374.28	**9,380**	--	--	**41**	14	230.0	882	--	<2.0	<2.0
413.13														

TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL DATA
Phillips 66 Facility No. 2701476 (AOC 2063)
12660 First Avenue South
Seattle, Washington

Well ID TOC Elevation	Sample Date				Total Petroleum Hydrocarbons			Aromatic Hydrocarbons					Metals	
		DTW (feet)	LPH (feet)	GW Elev. (feet)	TPH-G Gasoline Range (µg/L)	TPH-D Diesel Range (µg/L)	TPH-O Oil Range (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	Total Lead (µg/L)	Dissolved Lead (µg/L)
MTCA Method A Cleanup Levels					**1,000/800[a]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**20**	**15**	**15**
GW13D	12/13/18	74.30	--	338.64	<19.6	--	--	0.98 J	0.74 J	0.15 J	<0.31	--	10.00	<2.0
412.94														
GW14S	12/11/18	41.05	--	372.73	**113,000**	--	--	**13.8**	**6,440**	**2,790**	**17,600**	--	5.0 J	3.0 J
413.78														
GW14D	12/13/18	75.00	--	338.72	<19.6	--	--	**12**	0.40 J	<0.14	<0.31	--	<2.0	<2.0
413.72														
GW15S	12/11/18	39.30	--	374.76	Insufficient Water to Sample									
414.06														
GW15D	12/13/18	56.00	--	358.01	<19.6	--	--	1.0	0.66 J	0.27 J	<0.31	--	8.1 J	<2.0
414.01														
GW16S	12/11/18	48.50	--	366.94	Insufficient Water to Sample									
415.44														
GW16D	12/13/18	76.55	--	338.69	<19.6	--	--	0.59 J	0.44 J	0.17 J	<0.31	--	6.7 J	<2.0
415.24														
GW17S	12/11/18	49.30	--	365.54	Insufficient Water to Sample									
414.84														
GW17D	12/13/18	76.08	--	338.99	<19.6	--	--	0.50 J	0.38 J	<0.14	<0.31	--	2.8 J	2.0 J
415.07														
GW18S	12/11/18	48.38	--	365.93	Insufficient Water to Sample									
414.31														
GW18D	12/11/18	75.45	--	338.73	<19.6	--	--	<0.10	0.093 J	<0.14	<0.31	--	<2.0	<2.0
414.18														

EXPLANATION:
All concentrations are in µg/L (ppb).
Wellhead elevations were taken from prior consultant's reports
DTW = Depth to water in feet below top of casing
LPH = Liquid-phase hydrocarbon thickness in feet
GW Elev. = Groundwater elevation in feet relative to top of casing elevations
Groundwater elevations were corrected for LPH using a specific gravity of 0.75.
TPH-G = Total Petroleum Hydrocarbons as gasoline by Ecology Method NWTPH-Gx
TPH-D = Total Petroleum Hydrocarbons as diesel and oil by Ecology Method NWTPH-Dx
Prior to 5/18/11, BTEX Analyzed by EPA Method 8021B.
After 5/18/11, BTEX Analyzed by EPA Method 5030B/8260.
Total Pb = Total lead by EPA Method 6020
Diss Pb = Dissolved lead by EPA Method 6020
1n = Sample was evaluated to the MDL.; 2n = Diluted analysis conducted in excess of EPA method holding time; 4n = Sample was reanalyzed 3 days outside of holding time due to carryover.
J = Estimated concentration above the adjusted method deltection limit and below the adjusted reporting limit.
M1 = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
Z2 = Analyte present in the associated method blank above the detection limit.
Prior to second quarter 2008, monitoring wells surveyed to relative elevations. Wells were surveyed relative to sea level during the second quarter of 2008.
[1] = For wells GW7D through GW12D: Well designations changed from GW-7 through GW-12 respectively to reflect that the wells are designated as deep water bearing zone wells)
< = Less than the stated laboratory reporting limit
NM = Not Measured; -- = Not Analyzed or Sampled
[a] Concentration levels stated by MTCA Method A for TPH-G are
1,000 µg/L when no benzene is present and 800 µg/L when benzene is present.
[b] Approximated due to wellhead modification
[C] Samples collected from stub-ups inside remediation compound
[d] Well contained insufficient water to sample, labeled dry when unable to pull any water from well.
[NP] Not Purged
NA = Not established
Data collected before May 18, 2011 was obtained from prior consultants.
* DTW measurements collected 1 day prior to sampling
** Analytical results are anomalous compared to historical data. Cardno ATC suspects that sample ID's "GW-5" and "GW-6" may have been switched.

TABLE 3
WELL CONSTRUCTION DETAILS
Former Phillips 66 Facility 2701476 (AOC #2063)
12660 First Avenue, South
Seattle, Washington

Well ID	Date Well Installed	TOC Elev. (feet)	Borehole Diameter (inches)	Total Depth of Boring (ft bgs)	Well Depth (ft bgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (ft bgs)	Slot Size (inches)	Filter Pack Interval (ft bgs)	Filter Pack Material
GW-1*	05/05/92	414.74	NR	50	50	4	PVC	15-50	0.010	13-50	Sand
GW-2*	05/04/92	413.94	12	50	49	4	PVC	15-50	0.020	10-50	Sand
GW-3*	04/19/94	417.74	NR	92	92	4	PVC	62-92	0.010	60-92	No. 2/12 Sand
GW-4*	04/19/94	416.79	NR	80	80	2	PVC	15-80	0.020	15-80	No. 10/20 Sand
GW-5*	04/20/94	413.40	NR	90	90	2	PVC	15-90	0.010	13-90	No. 10/20 Sand
GW-6*	04/20/94	413.26	NR	70	70	2	PVC	15-70	0.020	13-70	No. 8/12 Sand
GW-7D	10/26/94	412.23	NR	88	88	2	PVC	68-88	0.010	66-88	No. 10/20 Sand
GW-8S	10/30/18	413.77	8	40	40	2	PVC	20-40	0.020	18-40	No. 2/12 Sand
GW-8D	10/27/94	413.78	NR	95	95	2	PVC	75-95	0.010	73-95	No. 2/12 Sand
GW-9D	10/25/94	414.53	NR	95	95	2	PVC	75-95	0.010	73-95	No. 2/12 Sand
GW-10S	10/29/18	415.46	8	40	40	2	PVC	19-39	0.020	17-40	No. 2/12 Sand
GW-10D	10/27/94	415.30	NR	95	95	2	PVC	75-95	0.010	73-95	No. 2/12 Sand
GW-11D	10/26/94	414.58	NR	90	90	2	PVC	70-90	0.010	68-90	No. 2/12 Sand
GW-12D	04/18/95	406.56	NR	95	95	2	PVC	68-95	0.000	65-95	No. 2/12 Sand
GW-13S	10/11/18	413.13	8	50	50	2	PVC	30-50	0.020	28-50	No. 2/12 Sand
GW-13D	10/12/18	412.94	8	85	85	2	PVC	65-85	0.020	63-85	No. 2/12 Sand
GW-14S	10/17/18	413.78	8	55	51	2	PVC	30-50	0.020	28-51	No. 2/12 Sand
GW-14D	10/18/18	413.72	8	80	80	2	PVC	59.25-79.25	0.020	58-80	No. 2/12 Sand
GW-15S	10/18/02	414.06	8	50	45	2	PVC	25-45	0.020	23-46	No. 2/12 Sand
GW-15D	10/16/18	414.01	8	75	75	2	PVC	55-75	0.020	53-75	No. 2/12 Sand
GW-16S	10/31/18	415.44	8	50	50	2	PVC	30-50	0.020	28-50	No. 2/12 Sand
GW-16D	10/26/18	415.24	8	85	85	2	PVC	65-85	0.020	63-85	No. 2/12 Sand
GW-17S	10/23/18	414.84	8	50	50	2	PVC	30-50	0.020	28-50	No. 2/12 Sand
GW-17D	10/25/18	415.07	8	85	85	2	PVC	65-85	0.020	63-85	No. 2/12 Sand
GW-18S	10/19/18	414.31	8	50	50	2	PVC	30-50	0.020	28-50	No. 2/12 Sand
GW-18D	10/22/18	414.18	8	80	80	2	PVC	60-80	0.020	58-80	No. 2/12 Sand

Notes:
TOC Elev. = Top of well casing elevation
ft bgs = Feet below ground surface
NE = Not established
PVC = Polyvinyl chloride
* = Well abandoned in October, 2018
Note: Wells GW-7D through GW-12D were formerly named GW-7 through GW-12 respectively.
Note: Deep well borings GW-13D through GW-18D were double-cased within approximately the upper 50 feet, and the outer diameter of the double cased section was approximately 14 inches.

APPENDIX A

HISTORICAL SOIL BORING AND WELL CONSTRUCTION LOGS

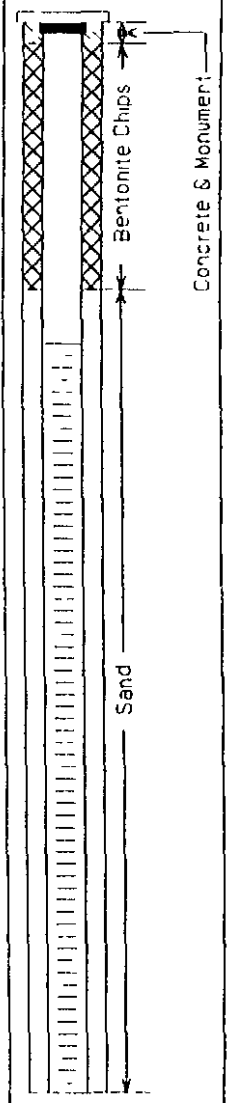
ESE
A CELCORP COMPANY

LOG OF EXPLORATORY BORING WITH WELL INSTALLATION DATA

PROJECT NO 6-92 /175	WELL NO MW-1
CLIENT Circle K	DATE 5/5/92
LOCATION 12660 1st Ave S	DRILLER McGarrett Drilling
LOGGED BY M Meyer	PAGE 1 of 1

FIELD LOCATION S of Southern Dispenser Is	WELL COMPLETION DEPTH	SEAL TYPE Bentonite
BENCHMARK ELEVATION	TOTAL DEPTH 50	WATER DEPTH FIRST
WELL CASING ELEVATION	BORING DIAMETER	WATER DEPTH COMPLETED
WELL CASING TYPE 4" PVC	WELL DIAMETER 4	WATER DEPTH 24HRS 38.97
SCREEN PERFORATION 0.010	FILTER PACK TYPE Sand	

DEPTH	VAPOR CONC (PPM)	BLOW/FT	SAMPLE TYPE	USCS SOIL TYPE	GRAPHICS LOG	DESCRIPTION
0				SP		Slightly silty SAND, fine-grained, trace medium and coarse sand medium red-brown, slightly damp, medium dense, non cohesive, no odor (fill)
5	20	77/12"	Ring	SM		Silty SAND, fine-grained trace coarse sand medium brown slightly moist, very dense non-cohesive no odor
10	260	50/6	Ring	SM		Silty SAND, fine-grained trace coarse sand medium brown slightly moist very dense, non-cohesive, odor
15	40	50/4	Ring	SM		Silty SAND, fine-grained trace coarse sand, medium brown slightly moist very dense non cohesive no odor
20	30	66/6"	Ring	SP		@17' becomes gravelly
25	2	100/5"	Ring	SM		Slightly silty SAND fine grained trace medium and coarse sand medium brown wet very dense, non-cohesive, odor Perched water at 20
30	14	100/5"	Ring	SM		Silty SAND, fine-grained trace gravel medium brown moist, very dense, non-cohesive no odor
35	4	100/6	Ring	SM		Silty SAND fine-grained, trace gravel medium brown moist very dense non cohesive no odor
40	2	95/6	Ring	SM		Silty SAND, fine grained, trace gravel medium brown moist, very dense non-cohesive no odor
45	2	90/6"	Ring	SM		Silty SAND fine-grained trace gravel medium brown, moist, very dense, non-cohesive, no odor @42' cuttings wet
50	0	100/5	Ring	SM		Silty SAND fine grained trace gravel, medium brown slightly moist, very dense, non-cohesive, no odor @ 48 cuttings wet
55						Total Depth 50
60						



WELL DIAGRAM

LOG OF EXPLORATORY BORING WITH WELL INSTALLATION DATA

A CELCORP COMPANY

PROJECT NO 6 92-7175	WELL NO MW 2
CLIENT Circle K Corporation	DATE 5/4/92
LOCATION 12660 1st Ave S	DRILLER McGarrett Drilling
LOGGED BY M Meyer	PAGE 1 of 1

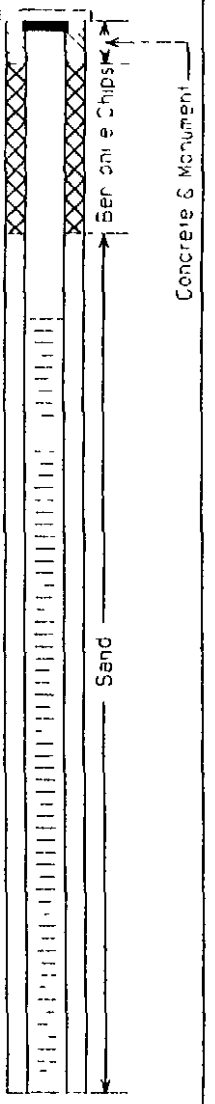
FIELD LOCATION NW of S Canopy Footing
BENCHMARK ELEVATION NA
WELL CASING ELEVATION NA
WELL CASING TYPE PVC
SCREEN PERFORATION 0 020

WELL COMPLETION DEPTH 49
TOTAL DEPTH 50'
BORING DIAMETER 12
WELL DIAMETER 4"
FILTER PACK TYPE CSSI 8-12 Sand

SEAL TYPE Bentonite Chips
WATER DEPTH FIRST 20
WATER DEPTH COMPLETED NA
WATER DEPTH 24HRS 35 56

DEPTH	VAPOR CONC (PPM)	BLOW/FT	SAMPLE TYPE	USCS SOIL TYPE	GRAPHIC LOG	DESCRIPTION
0				sm		Cleared with hand tools to one foot Appears to be native material-dense Procede with rig with caution
5	500	97	Ring	sm		At 0 Silty SAND, fine-grained medium brown slightly moist dense, non cohesive odor
10	---	98/8"	None			Silty SAND fine grained medium brown slightly moist very dense, odor No recovery Trace gravel and small cobbles in cuttings
15	500	98/10"	Ring	sm		Silty SAND fine-grained trace fine gravel medium brown, moist, very dense, non cohesive odor
20	160	92/6"	Ring	sm		Silty SAND fine-grained trace fine gravel, medium brown moist, very dense, non cohesive, odor
25	440	100/6"	Ring	sm		Silty SAND, fine-grained, trace fine gravel medium brown moist, very dense non cohesive, odor
30	410	90/6"	Ring	sm		Gravelly, silty SAND fine-grained, medium brown, moist, very dense, non-cohesive odor
35	400	110/8	Ring	sm		Gravelly silty SAND fine-grained medium brown moist very dense, non-cohesive odor
40	100	97/8	Ring	gm		@36 soil being heated too hot to touch by drilling Silty sandy GRAVEL fine and medium grained, medium brown moist, very dense, non cohesive, no odor
45	50	73/6"	Ring	gm		Silty sandy GRAVEL, fine and medium grained medium brown, wet very dense, non-cohesive, no odor
50	100	100/5	Ring	sm		Silty fine SAND, trace fine gravel, medium-brown, slightly moist, very dense slightly cohesive, slight odor
55						Total Depth 50
60						Pulled augers-hole caved to 42 Appears to be perched water 43-50'

WELL DIAGRAM



SECOR

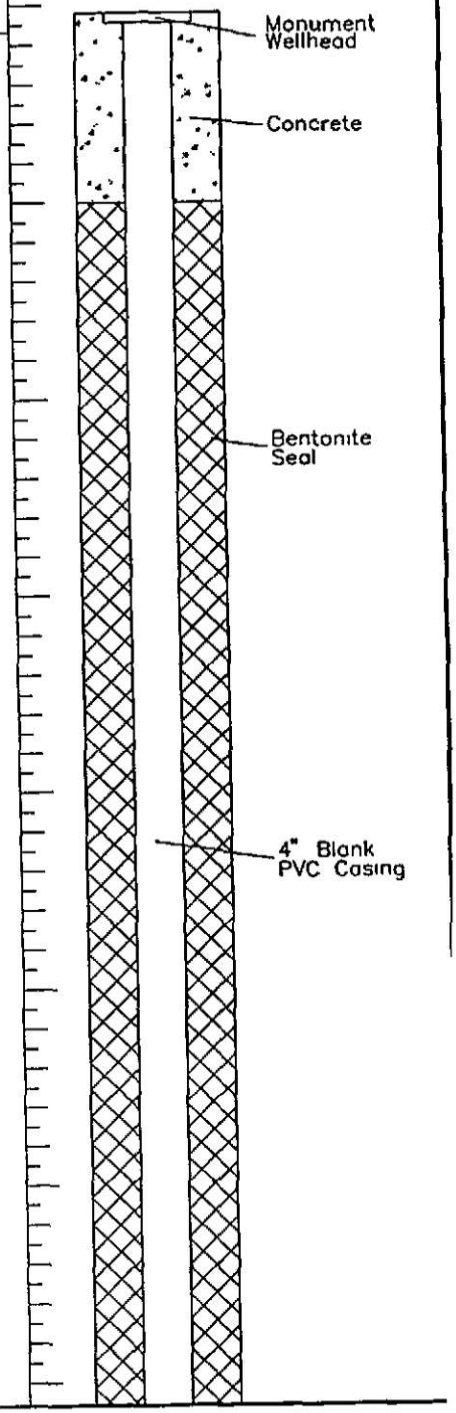
BORING LOG

BORING MW-3
PAGE 1 OF 3

PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 102.78**
START 4/19/94 0759 / 10/27/94 0935*
FINISH 4/19/94 1135 / 10/27/94 1055
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 10 1/4" OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphaltic Concrete	
				Silty sand, mottled light brownish gray (10YR 6/2), trace medium to fine grained gravel medium to fine grained sand, trace clay moist	SM
10/32/35		10 2	5		
15/27/37		14 3	10		
50 for 5"		10 5	15		
32/50		13 5	20	Slight increase in gravel	
100 for 3"		13 9	25		
34/80		12 4	30		
			35		

Well Construction Details



00888-001-07

DWG CIR0146L

SECOR

BORING LOG

BORING MW-3
PAGE 2 OF 3

PROJECT CIRCLE K STORE #1476
LOCATION 12600 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 102.78**
START 4/19/94 0759 / 10/27/94 0935*
FINISH 4/19/94 1135 / 10/27/94 1055
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 10 1/4" OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
60		129	35		
35/50		111	40		
75		NS	45		
100		NS	50		
100 for 2		109	55		
50/50		114	60	Slight increase in silt	
35/50		120	65	Silty Sand with Gravel grayish brown (10YR 5/2), fine grained gravel fine to coarse grained sand trace clay wet	SM
			70		

Well Construction Details

- Bentonite Seal
- 4" Blank PVC Casing
- Filter Sand (RMC Lonestar #2/12)
- 4" PVC Screen (0.010 inch slots)

DWG CIR0147L

SECOR

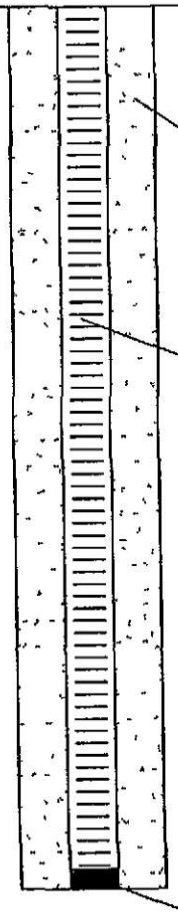
BORING LOG

BORING MW-3
PAGE 3 OF 3

PROJECT CIRCLE K STORE #1476
LOCATION 12660 19T AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 102.78**
START 4/19/94 0759 / 10/27/94 0935*
FINISH 4/19/94 1135 / 10/27/94 1055
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 10 1/4" OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
50/50		10 4	70	Thinly laminted Sand and Silt Silty Sand grayish brown (10YR 5/2), trace fine grained gravel fine to coarse grained sand moist	SM/ML
100		9 9	75	Silt with Sand, light gray (10YR 7/2) and grayish brown (10YR 5/2), fine grained sand dry	
				Sand with Silt, gray (10YR 5/1) poorly graded fine grained sand, occasional fine grained gravel, moist to wet	SP-SM
50/50 for 4"		103	80		
				Saturated	
40/50 for 5"		3 4	85		
40/60		21 1	90		
			95	* Original boring terminated at 75 feet due to damaged casing original well was abandoned and re-drilled to 92 feet. Groundwater originally encountered on 4/18/94 at approximately 85 feet, encountered at approximately 83 feet while re-drilling on 10/27/94 Boring converted to groundwater monitoring well on 10/27/94	
			100		
			105		

Well Construction Details



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100 00 feet.

DWG CIR0148L

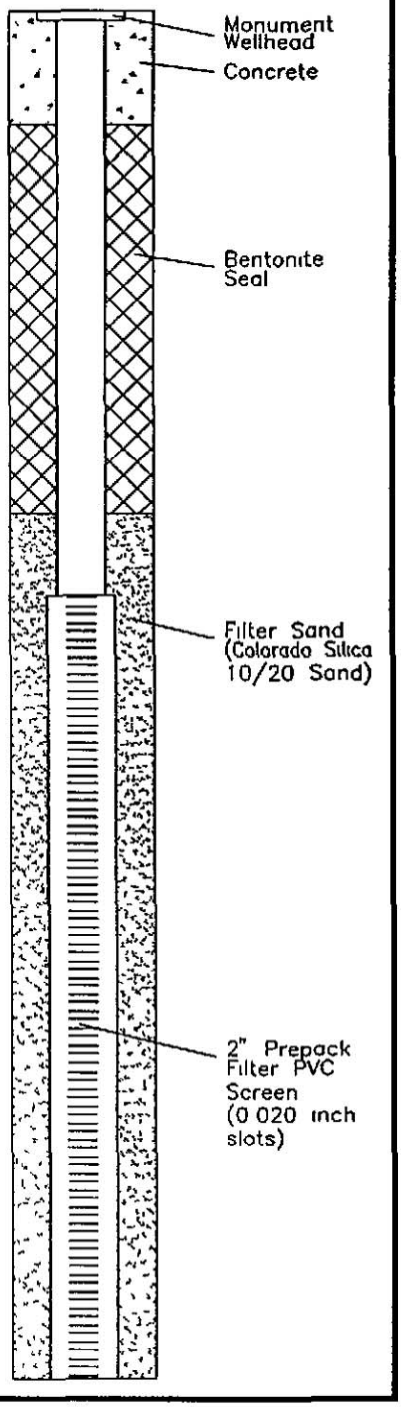
SEACOR

BORING LOG

BORING: MW-4
PAGE 1 OF 3

PROJECT CIRCLE K
LOCATION 12660 1ST AVE. S. SEATTLE, WA
SURFACE ELEVATION –
CASING TOP ELEVATION –
START 4/19/94 1.54
FINISH 4/19/94
SAMPLER DJD
MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphaltic Concrete	
27/50		20 6	5	Grayish Brown (10YR 5/2) Medium to Fine Sand Some Silt Dense, Moist (0,75,25 0)	
50		18 4	10	Light Grayish Brown (10YR 6/2) Medium to Fine Sand Some Silt Rare Fine Rounded Gravel Dense, Moist (5,70,25 0) Till	SM
16/50		19 8	15	Light Grayish Brown (10YR 6/2) Medium to Fine Sand Some Silt A Little Fine Gravel Trace Clay Dense, Moist, (12,50,35 3)	
50–2"		12 0	20	Slight Increase in Gravel	
27/50		9 0	25		
35/50		17 7	30		
			35		



Well Construction Details

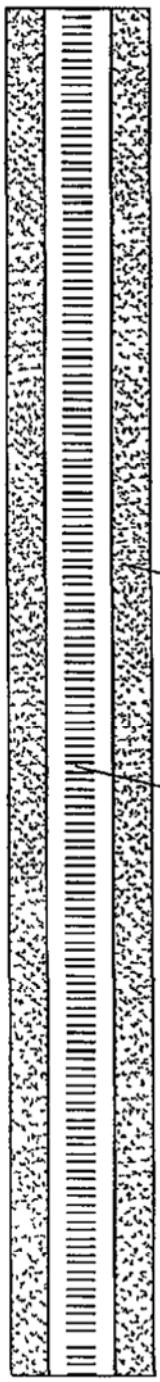
SEACOR

BORING LOG

BORING: MW-4
PAGE 2 OF 3

PROJECT CIRCLE K
LOCATION 12660 1ST AVE. S. SEATTLE, WA
SURFACE ELEVATION –
CASING TOP ELEVATION –
START 4/19/94 1:54
FINISH 4/19/94
SAMPLER DJD
MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10–1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
50		9 3	35			
50		9 3	40			
50		10.6	45			
100		12 2	50			
70		9 4	55	Grayish Brown (10YR 5/2) Coarse to Fine Rounded Sand Some Silt. Trace Coarse to Fine Rounded Gravel Trace Clay Dense, Moist. (10 57,30 3)		
60		9 8	60			
			65			



SEACOR

BORING LOG

BORING: MW-4
PAGE 3 OF 3

PROJECT CIRCLE K #1476 — LOCATION 12660 1ST AVE S. SEATTLE, WA
SURFACE ELEVATION – — CASING TOP ELEVATION –
START 4/19/94 7 59 — FINISH 4/19/94 11:35
SAMPLER DJD — MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
55		10 9	60			Filter Sand (Colorado Silica 10/20 Sand)
			65			
50		9 8	70	Grayish Brown (10YR 5/2) Coarse to Fine Rounded Sand Some Silt Trace Coarse to Fine Rounded Gravel Trace Clay Dense Moist (10,57,30,3)		2" Prepack Filter PVC Screen (0 020 inch slots)
50		10 7	75	Grayish Brown (10YR 5/2) Coarse to Fine Sand With Some Silt Trace Clay Dense, Moist (0,80,18 2)		Bottom Cap
35/50		12.4	80	Boring terminated at 80 feet Sampler advanced to 81 feet Boring converted to a groundwater monitoring well on 4/19/94		
			85			
			90			
			95			

SEACOR

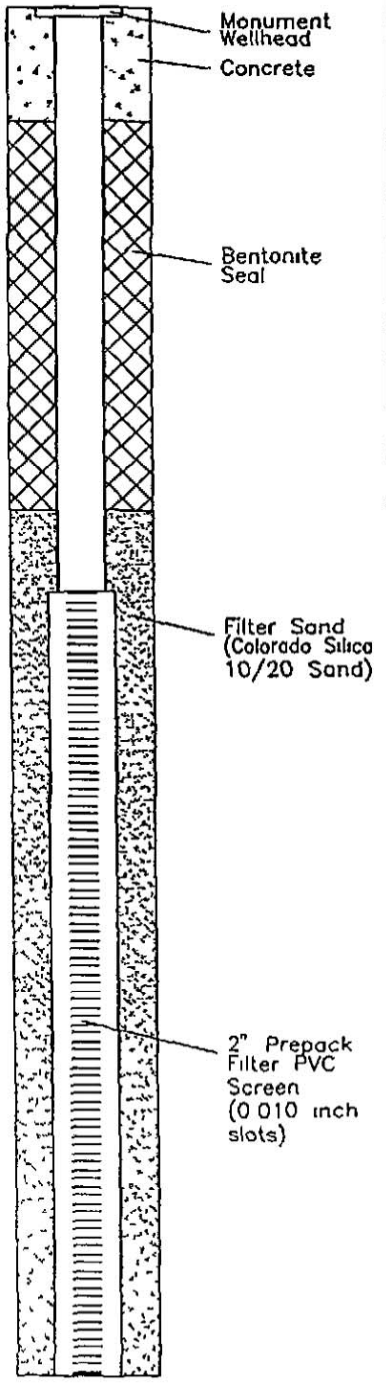
BORING LOG

BORING MW-5
PAGE 1 OF 3

PROJECT CIRCLE K #1476 — LOCATION 12660 1ST AVE. S. SEATTLE, WA
SURFACE ELEVATION – — CASING TOP ELEVATION –
START 4/20/94 12 30 — FINISH 4/20/94
SAMPLER DJD — MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphaltic Concrete	
27/50		8 1	5	Grayish Brown (10YR 5/2), Coarse to Fine Sand with some Silt, Trace Coarse to Fine Rounded Gravel, Trace Silt, Very Dense, Moist (10,45,40 5) Till.	SM
50		10.1	10		
48/50		13 0	15		
60		9 8	20	Slight Increase in Gravel	
50		12 7	25		
50		10 5	30		
			35		

Well Construction Details



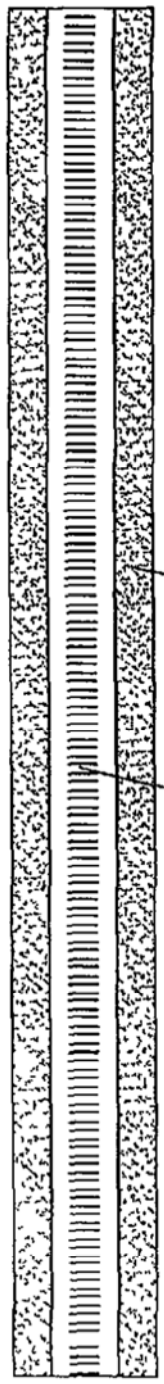
SEACOR

BORING LOG

BORING MW-5
PAGE 2 OF 3

PROJECT CIRCLE K #1476 LOCATION 12660 1ST AVE S. SEATTLE, WA
SURFACE ELEVATION – CASING TOP ELEVATION –
START 4/20/94 12:30 FINISH 4/20/94
SAMPLER DJD MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			30		
73		>2500	35	Slight Increase in Fines. Hydrocarbon-like odor	
100/100		976 284 >2500	40	Sheen Test Negative	
100		>2500	45		
100		>2500	50	Increase in Sand	
100		>2500	55	Gray (10YR 6/1) Medium to Fine Sand with some Silt. Trace Medium to Fine Rounded Gravel. Very Dense, Moist (10 60 30 0) Hydrocarbon-like odor	
80		1236	60		
			65		



Well Construction Details

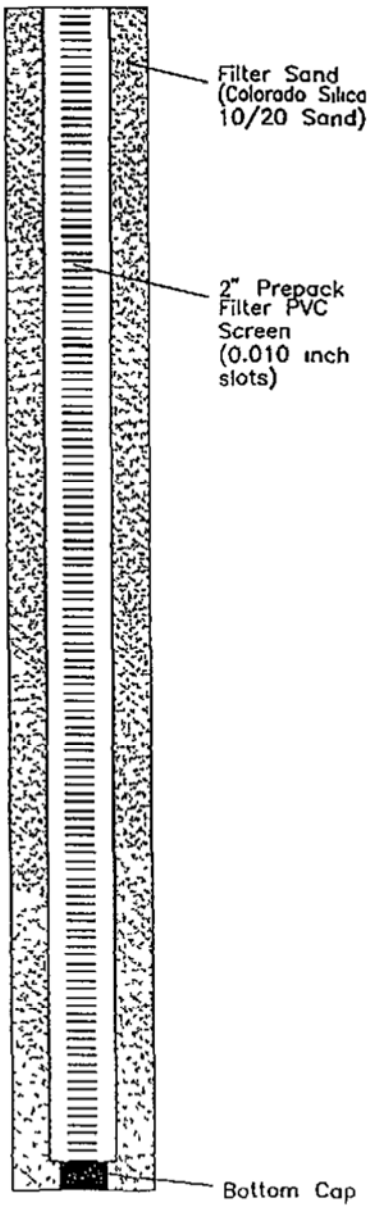
SEACOR

BORING LOG

BORING: MW-5
PAGE 3 OF 3

PROJECT CIRCLE K #1476 LOCATION 12660 1ST AVE. S. SEATTLE, WA
SURFACE ELEVATION – CASING TOP ELEVATION –
START 4/20/94 FINISH 4/20/94
SAMPLER DJD MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4"HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

Penetration Results BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			60		
75		1216	65	Coarse to Fine Sand (10 70,20.0)	
100		>2500	70	Slight Increase in Silt. (10 55,35 0)	
100		>2500	75	Very Dark Gray (10YR 3/1) Medium to Fine Sand. Trace Silt. Very Dense, Very Moist. (0 90,10 0)	
66		>2500	80		
75		28 5	85		
75		>36	90	Boring terminated at 90 feet Sampler advanced to 90 75 feet Groundwater encountered at approximately 80 feet during drilling Boring converted to a groundwater monitoring well on 4/20/94	
			95		



Well Construction Details

SEACOR

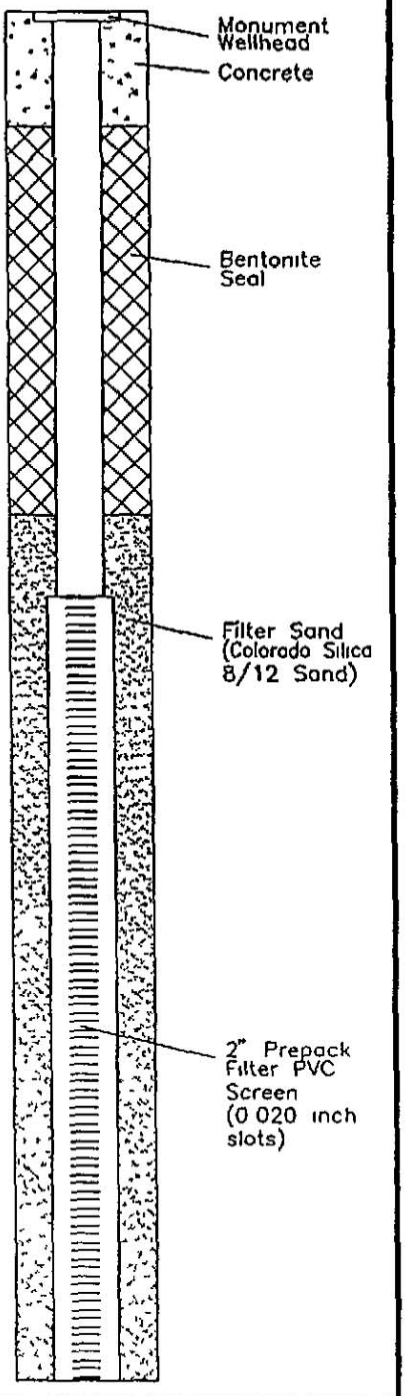
BORING LOG

BORING MW-6
PAGE 1 OF 2

PROJECT CIRCLE K #1476 LOCATION 12660 1ST AVE S. SEATTLE, WA
SURFACE ELEVATION - CASING TOP ELEVATION -
START 4/20/94 7:21 FINISH 4/20/94
SAMPLER DJD MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1 5' LONG SPLIT SPOON

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Ashaltic Concrete	
24/50		6 8	5	Gray (10YR 5/1) Coarse to Fine Sand with Some Silt, a Little Rounded Gravel Very Dense, Moist, (12.50, 28 0) Till	SM
16/50		8 1	10	Grayish Brown (10YR 5/2)	
60		4.1	15		
77		4 3	20		
50		11 5	25		
62		7 1	30	Gray (10YR 5/1), Medium to Fine Sand With Some Silt Trace Coarse to Fine Rounded Gravel Trace Clay Very Dense Moist (10 65 20 5)	
			35		

Well Construction Details



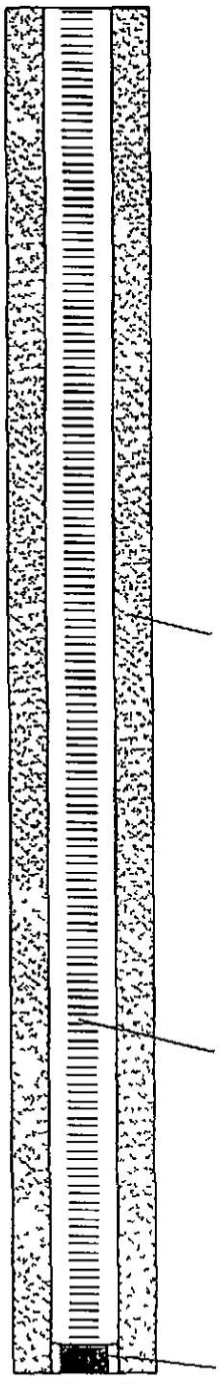
SEACOR

BORING LOG

BORING: MW-6
PAGE 2 OF 2

PROJECT CIRCLE K #1476 — LOCATION 12660 1ST AVE. S. SEATTLE, WA
SURFACE ELEVATION – — CASING TOP ELEVATION –
START 4/20/94 7:21 — FINISH 4/20/94
SAMPLER DJD — MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC. 10-1/4" HSA
COMMENTS SAMPLE EVERY 5' WITH 3" X 1.5' LONG SPLIT SPOON

PENETRATION RESULTS BLOWS 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
52		18 4	35	Same as Above	
60		>2500	40	Same as Above, Hydrocarbon-like Odor, Sheen Test Negative	
60		1215	45	Same as Above, Hydrocarbon-like Odor	
58		730	50	Same as Above, Very Small Headspace Sample for PID Reading	
58		51 2	55	Same as Above	
50		1234	60	SAND and SILT, Gray (10YR 6/1), Medium to Fine, Trace Medium to Fine Rounded Gravel, Trace Clay, Very Dense, Wet, (10 53 45 2)	
61		319	65	Same as Above	
				Same as Above	
				Boring terminated at 70 feet	
				Sampler advanced to 70 5 feet	
				Groundwater encountered at approximately 65 feet during drilling	
52		18 4	70	Boring converted to a groundwater monitoring well on 4/21/94	



Well Construction Details

SECOR

BORING LOG

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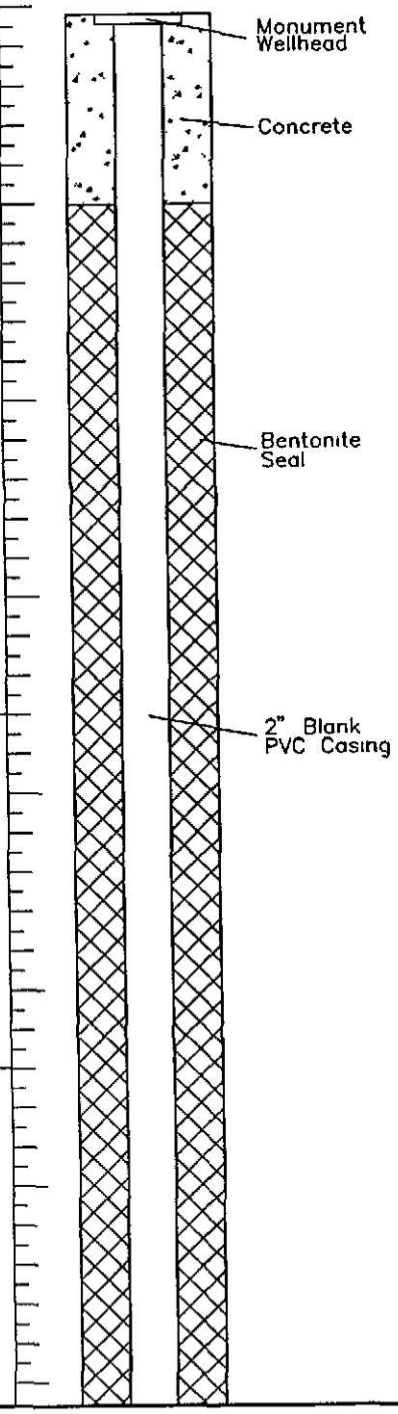
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -
CASING TOP ELEVATION 97.17**
START 10/26/94 0643
FINISH 10/26/94 0835
SAMPLER RM/DJD
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I D X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphalt	
100		27	5	Silty Sand, brown, (10YR 5/3)+ very fine to fine grained, (0 80 20,0)** Moist	SM
100		24	10	Occasional gravel	
200		11 2	15	Occasional cobbles (2,80,18,0)	
150		27 4	20	Sand with Silt, gray (10YR 5/1), very fine to fine grained well graded, moist (0 90,10,0)	SP-SM
100		18 5	25	Occasional gravel	
130		14 1	30	Silty Sand, grayish brown, (10YR 5/2), very fine to fine grained (0 80 20,0)	SM
			35		

Well Construction Details



00888-001-07

DWG CIR0125L

SECOR

BORING LOG

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PROJECT CIRCLE K STORE #1476 LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION - CASING TOP ELEVATION 97.17**
START 10/26/94 0643 FINISH 10/26/94 0835
SAMPLER RM/DJD MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
130		15.1	35	Occasional gravel and occasional cobbles (3,80,17,0)	SM
110		13.1	40	Sand with Silt, grayish brown, (10YR 5/2), very fine to medium grained, occasional gravel moist, (3,90,7,0)	
110		10.7	45		
125		11.7	50	Wet	SW/SM
130		11.6	55		
110		13.5	60	Sand with Silt and Clay, grayish brown, (10YR 5/2), very fine to fine grained, occasional gravel moist, (3,85,12,10)	SP-SM/SC
115		11.3	65		
				Silt with Sand, gray (10YR 6/1) very fine to fine sand moist (0,10,90,0)	ML
			70		

Well Construction Details: Filter Sand (RMC Lonestar #2/12)

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DWG CIR0126L

SECOR

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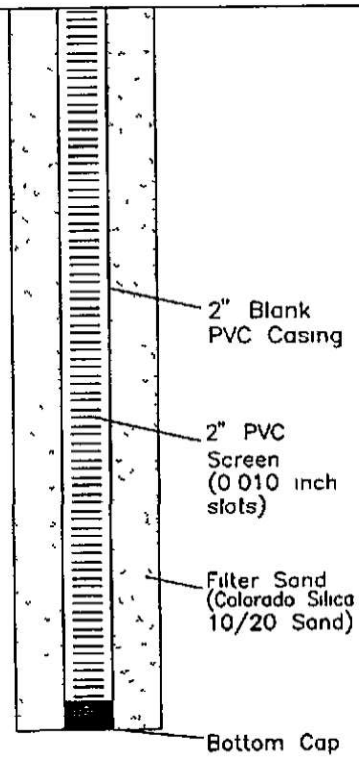
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -
CASING TOP ELEVATION 97.17**
START 10/26/94 0643
FINISH 10/26/94 0835
SAMPLER RM/DJD
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC., CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I D X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
110		15 3	70		ML
90		15 8	75	Silty Sand, brown, very fine to fine grained, occasional gravel, moist (3 80 17,0)	SM
90		13	80	Saturated	
95		9 9	85		
				Boring terminated at 88 feet	
			90	Groundwater encountered at approximately 80 feet during drilling Boring converted to a groundwater monitoring well on 10/26/94 * Munsell (1990) Soil Color Charts ** Percentage of soil types shown in this order (0,50,45,5), gravel sand, silt, and clay	
			95		
			100		
			105		

Well Construction Details



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100 00 feet

DWG CIR0127L

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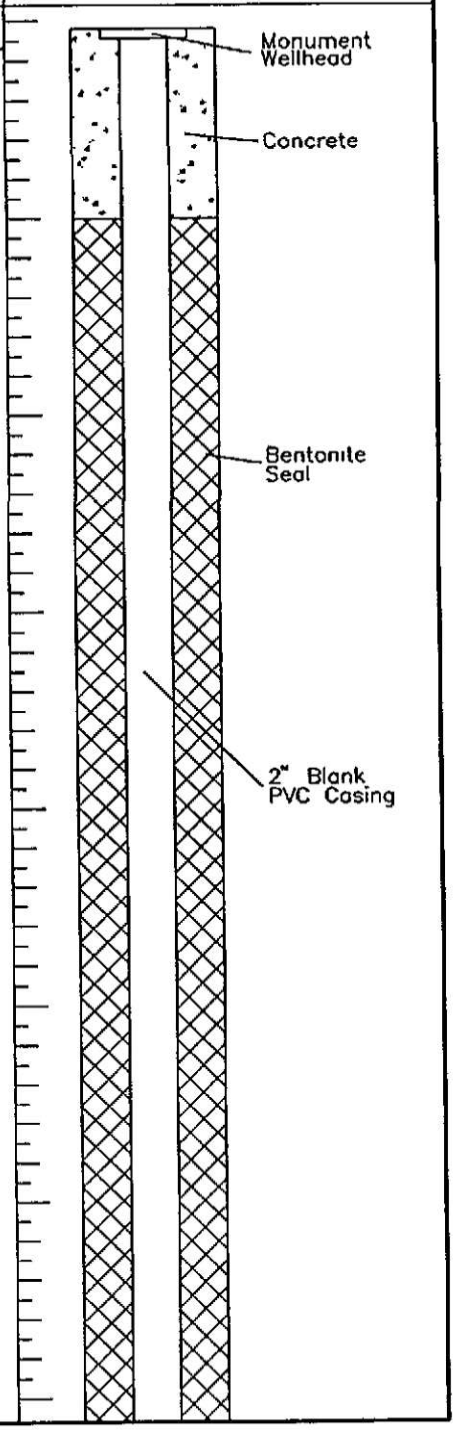
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -
CASING TOP ELEVATION 98.82**
START 10/27/94 1021
FINISH 10/27/94 1221
SAMPLER RM/DJD
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphalt	
90		85	5	Silty Sand, greyish brown, (10YR 5/2)*, very fine to fine grained, moist (0,80,20,0)**	
140		17	10		
110		54	15	Occasional Gravel, subangular-subrounded	SM
120		98	20		
160		72	25	Wet, no gravel	
140		52	30		
			35		



DWG CIR012BL

SECOR

BORING LOG

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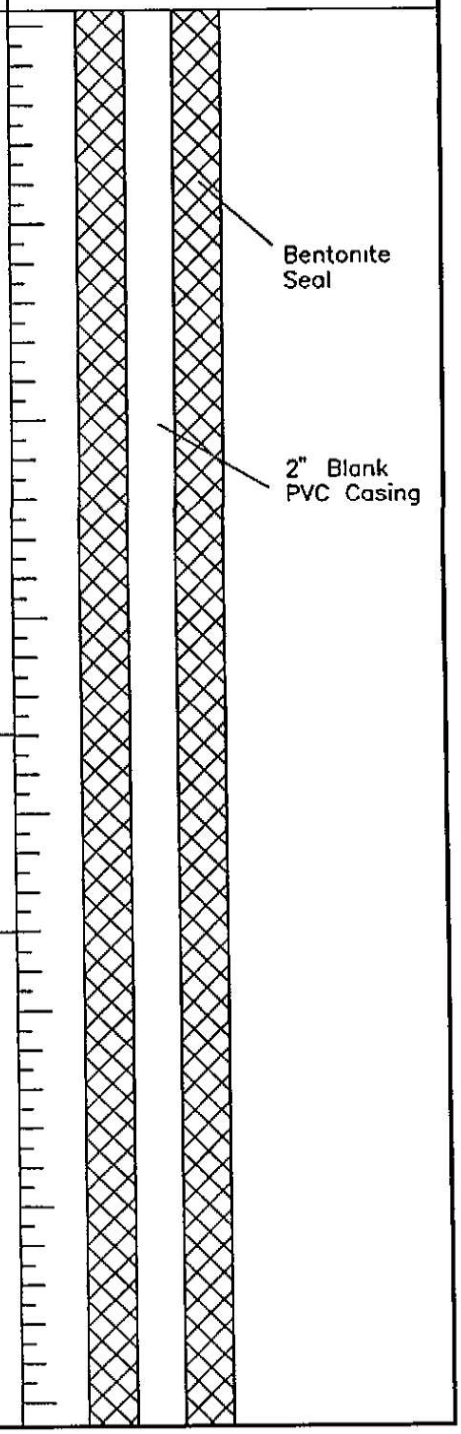
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -
CASING TOP ELEVATION 98.82**
START 10/27/94 1021
FINISH 10/27/94 1221
SAMPLER RM/DJD
MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
145		40	35	(7,75,20,0)	
140		4.0	40		
110		32	45	Occasional rounded cobbles	SM
95		38	50	(5,75,20,0)	
75		11	55	Sand with Silt, grayish brown, (10YR 5/2) fine grained, poorly graded, wet, (0,90,10,0)	SP-SM
85		27	60	Silty Sand grayish brown (10YR 5/), fine grained, occasional gravel, moist (5 75 20 0)	
85		22	65	Occasional subrounded cobbles	SM
			70		

Well Construction Details



DWG CIR0129L

SECOR

BORING LOG

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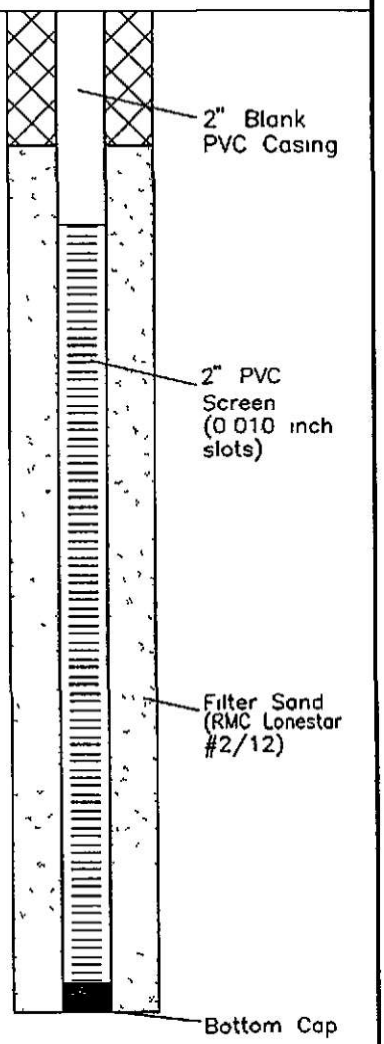
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION -
CASING TOP ELEVATION 98.82**
START 10/27/94 1021
FINISH 10/27/94 1221
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME:75 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
90		2.5	70	Silt, brown, trace sand, moist	
65		21.1	75	Sandy Silt brown, occasional gravel, (0 20,80,0)	ML
60		625	80	Sand with Silt brownish gray wet, (0 90 10 0) hydrocarbon-like odor	
60		879	85	Saturated	SP-SM
60		26.3	90	Sand with Silt, grayish brown (10YR 5/2) very fine to fine grained, poorly graded no odor (0 90 10 0)	
			95	Boring terminated at 95 feet Groundwater encountered at approximately 83 feet during drilling Boring converted to a groundwater monitoring well on 10/28/94 * Munsell (1990) Soil Color Charts ** Percentage of soil types shown in this order (0 50 45 5) gravel sand silt and clay	
			100		
			105		



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100.00 feet

SECOR

BORING LOG

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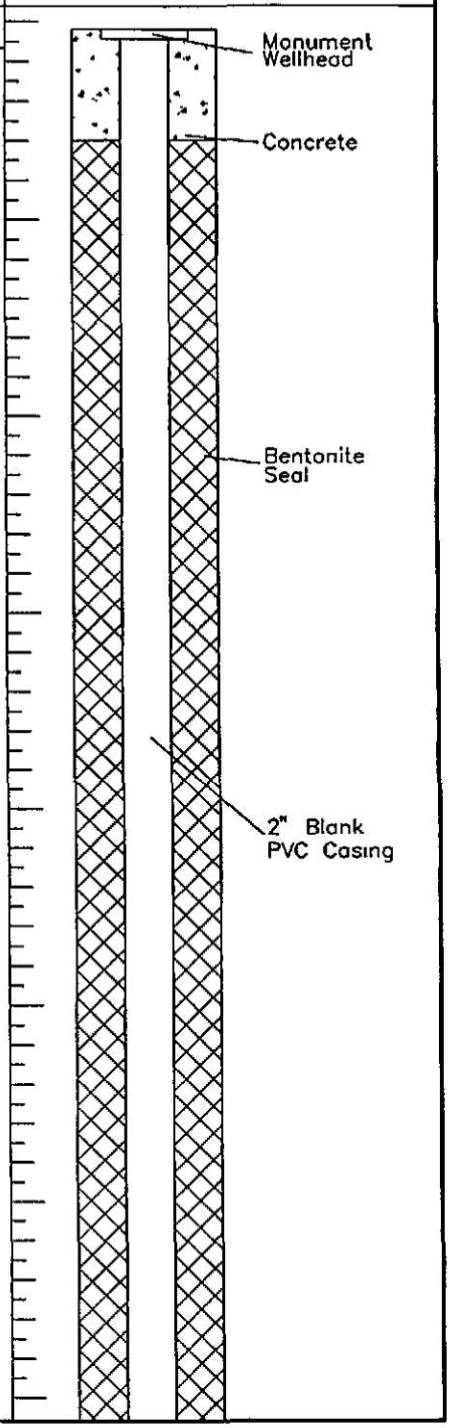
PROJECT CIRCLE K STORE #1476 LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION _____ CASING TOP ELEVATION 99.57**
START 10/25/94 0931 FINISH 10/25/94 1445
SAMPLER DJD MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval feet	PID Reading (ppm)	Depth Below Surface feet	Lithologic Description	Unified Soil Classification
			0	Asphaltic concrete	
60		60	5	Silty Sand, light grayish brown (10YR 6/2)*, fine to medium grained sand moist (0,75 25,0)**	
100		77	10		
50/65		84	15	Light gray, (10YR 6/1) occasional fine gravel	SM
100		4.6	20		
75		96	25		
75		62	30		
			35		

Well Construction Details



SECOR

BORING LOG

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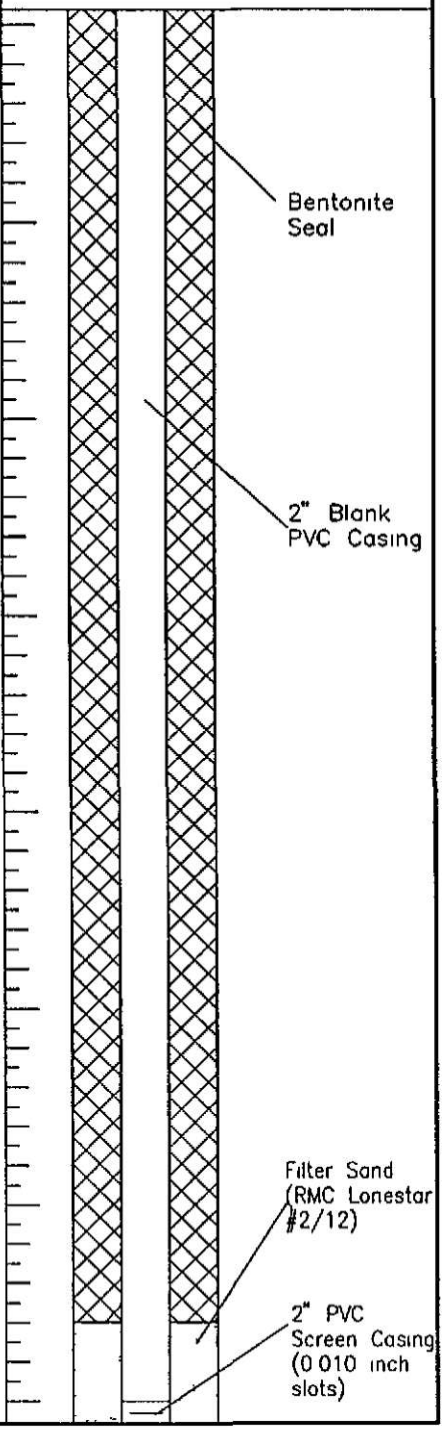
PROJECT CIRCLE K STORE #1476 LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION _____ CASING TOP ELEVATION 99.57**
START 10/25/94 0931 FINISH 10/25/94 1445
SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
75		45	35		
85		48	40	Silty Sand with Gravel, grayish brown, (10YR 5/2), fine to coarse rounded gravel, fine to medium sand, moist, (20,50,30,0)	
90		89	45		SM
80		67	50		
90		57	55	Slight increase in gravels	
85		67.4	60		
No blow count recorded		NS	65	No sample recorded	
			70		

Well Construction Details



SECOR

BORING LOG

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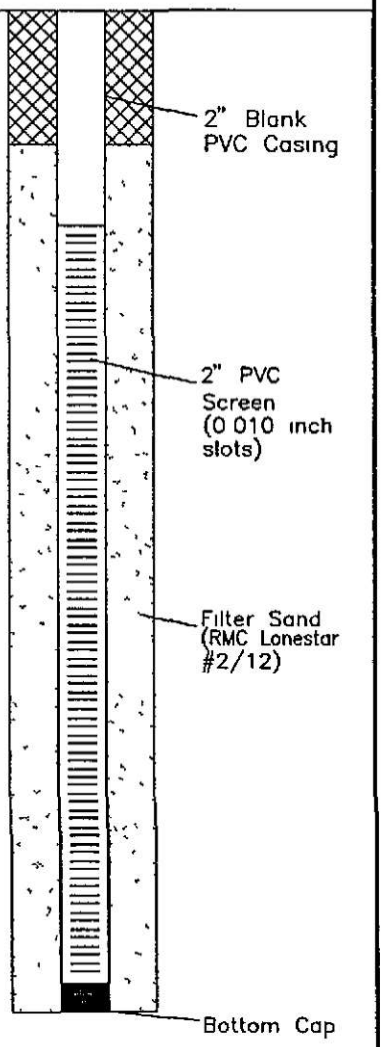
PROJECT CIRCLE K STORE #1476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 99.57**
START 10/25/94 0931
FINISH 10/25/94 1445
SAMPLER DJD
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME; 75 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface feet	Lithologic Description	Unified Soil Classification
65		NS	70		
70		376	75	Silty Sand, grayish brown, (10YR 5/2), fine to medium grained moist, (0,85,15,0),	SM
80		125	80	Occasional cobble	
65		>2500	85	Sand, grayish brown (10YR 5/2) fine to coarse grained, occasional silt saturated, (0,98,2,0) hydrocarbon-like odor	SW
55		225	90		
70		742	95	Boring terminated at 95 feet Sampler advanced to 96 5 feet Groundwater encountered at approximately 85 feet during drilling Boring converted to a groundwater monitoring well on 10/25/94 * Munsell (1990) Soil Color Charts ** Percentage of soil types shown in this order (0 50 45 5) gravel, sand, silt, and clay	
			100		
			105		

Well Construction Details



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100 00 feet

DWG CIR0136L

SECOR

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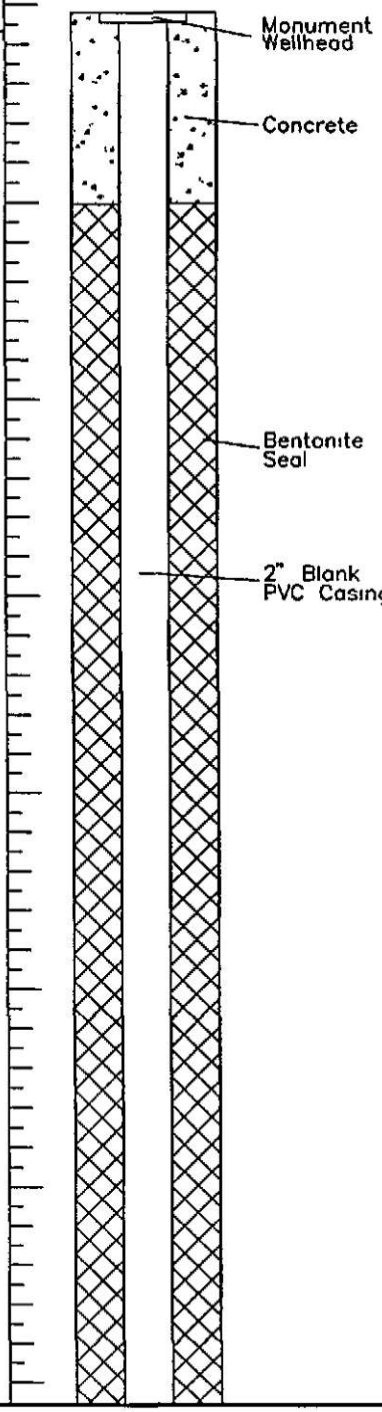
PROJECT CIRCLE K STORE #1476 LOCATION 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION _____ CASING TOP ELEVATION 100.56**
START 10/27/94 0628 FINISH 10/27/94 0835
SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphaltic concrete	
65		101	5	Silty Sand, light grayish brown, (10YR 5/2)*, very fine to fine grained sand, moist (0,80,20 0)**	SM
120		7 6	10		
93		7.3	15		
100		7 8	20		
132		4 5	25	Wet	
100		4 8	30	Moist	
			35		



SECOR

BORING LOG

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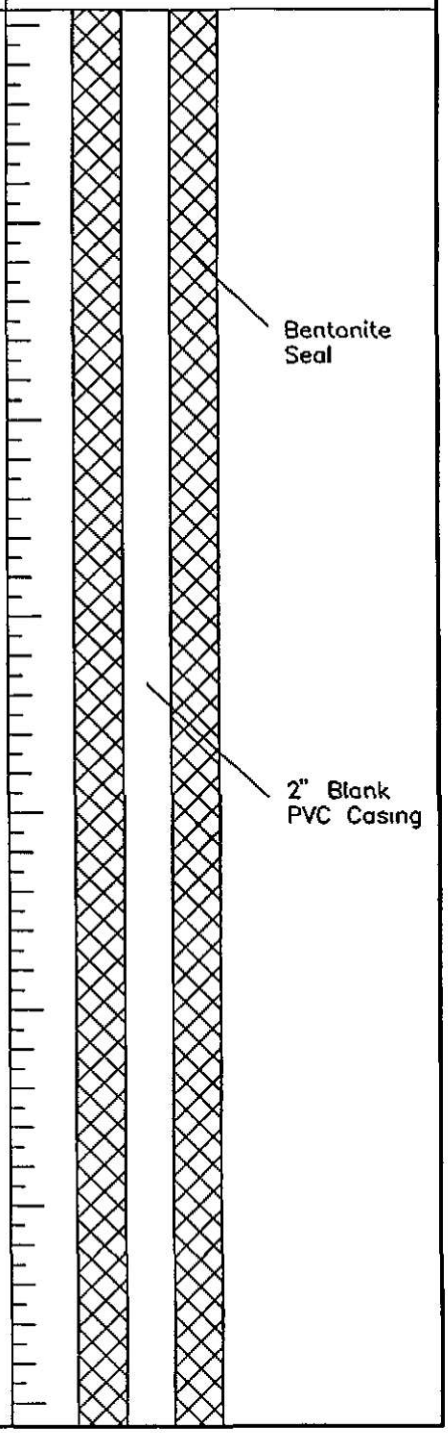
PROJECT CIRCLE K STORE #1476
LOCATION 12880 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 100.56**
START 10/27/94 0628
FINISH 10/27/94 0835
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
20/20		8.0	35		
200		4.5	40	Wet	
90		5.1	45	Occasional subrounded cobble and gravel	SM
110		4.8	50		
200			55		
130			60		
200		6.9	65		
			70		

Well Construction Details



DWG:CIR0138L

SECOR

BORING LOG

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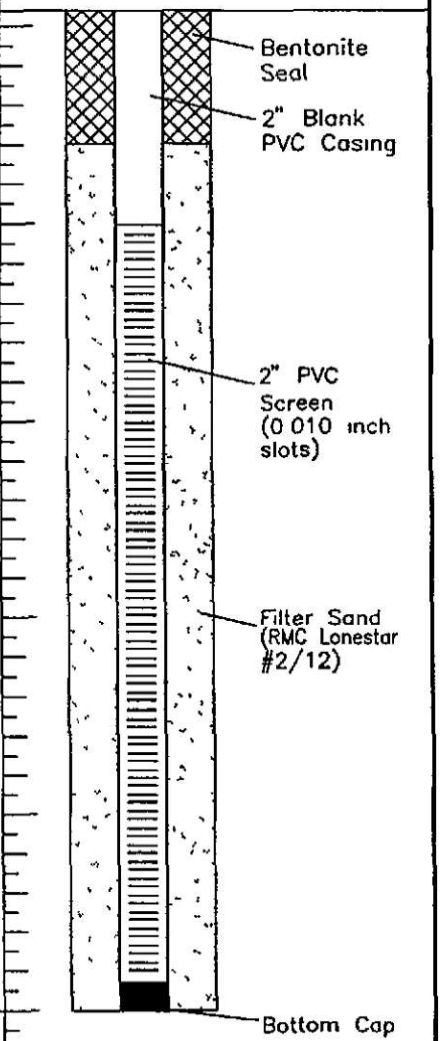
PROJECT CIRCLE K STORE #1476
LOCATION 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 100.56**
START 10/27/94 0628
FINISH 10/27/94 0835
SAMPLER R. MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
120		7.1	70		SM
120		31.1	75	Sand with Silt, grayish brown (10YR 5/2), very fine to fine grained, poorly graded moist, (0,90,10,0)	
90		7.7	80	Saturated	SP-SM
60		105	85		
60		28	90		
70		26	95	Boring terminated at 95 feet. Sampler advanced to 95.5 feet. Groundwater encountered at approximately 82.5 feet during drilling. Boring converted to a groundwater monitoring well on 10/28/94. * Munsell (1990) Soil Color Charts. ** Percentage of soil types shown in this order (0,50,45,5), gravel, sand, silt, and clay	
			100		
			105		



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100.0 feet

DWG CIR0139L

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BORING LOG

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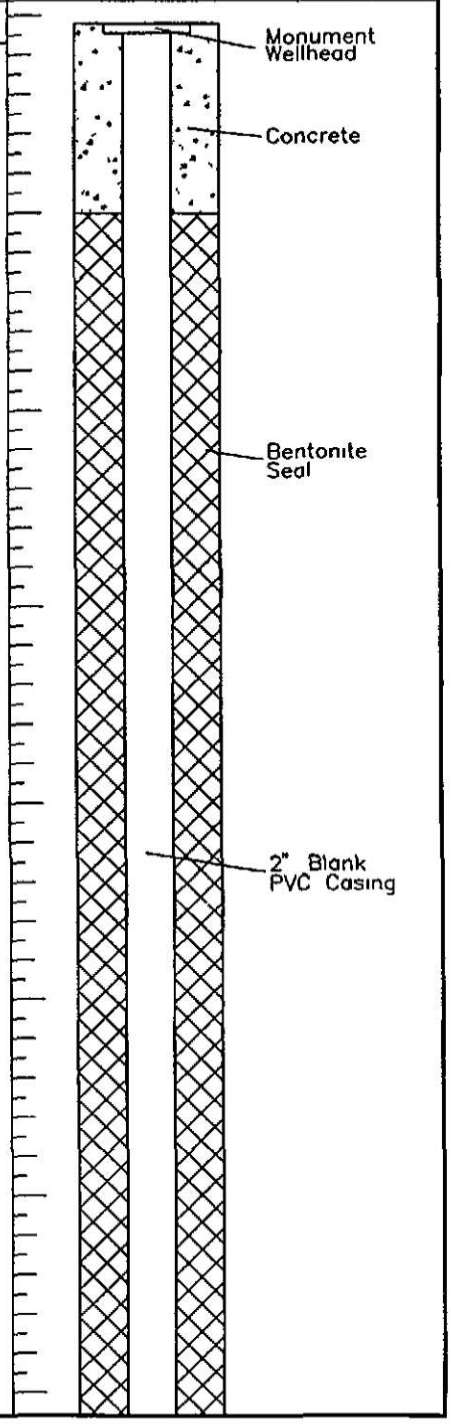
PROJECT CIRCLE K STORE #1476
LOCATION 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 99.72**
START 10/26/94 1103
FINISH 10/26/94 1415
SAMPLER R MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
			0	Asphalt	
75		18	5	Silty Sand, grayish brown (10YR 5/2)•, very fine grained, occasional cobbles moist, (0,80,20,0)••	
150		19 1	10		
150		25 4	15	With gravel and cobbles	SM
150		24 4	20		
150		NR	25	No Recovery	
No blow count recorded		NR	30	No recovery	
175		13 6	35		

Well Construction Details



SECOR

BORING LOG

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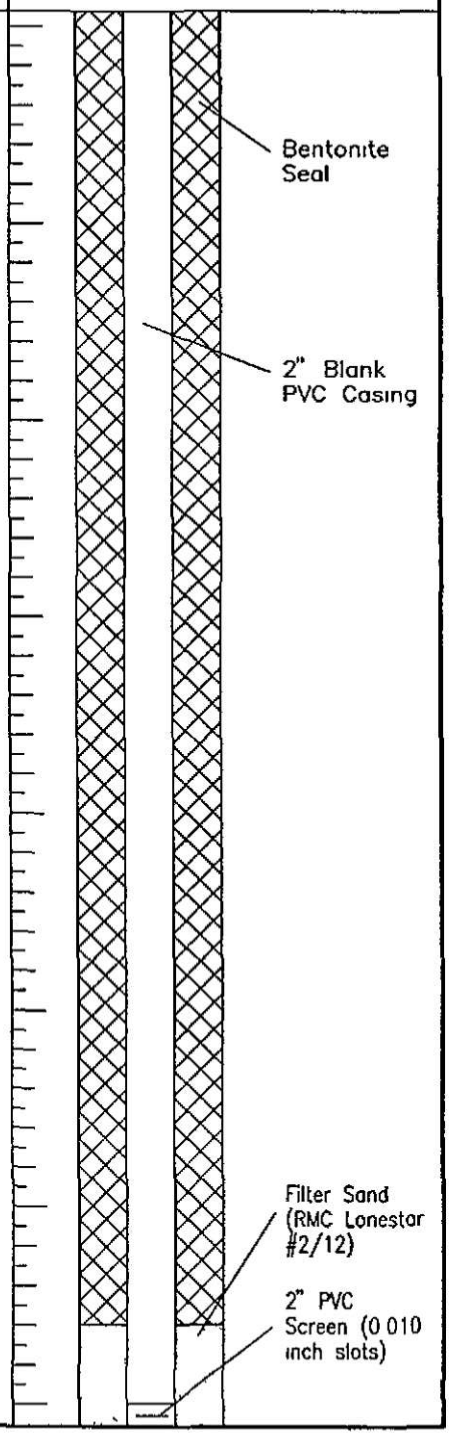
PROJECT CIRCLE K STORE #1476 LOCATION 12680 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION _____ CASING TOP ELEVATION 99.72**
START 10/26/94 1103 FINISH 10/26/94 1415
SAMPLER R. MILLER MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification
200		135	35	Silty Sand very fine to fine grained, occasional gravel, moist, (10 50 40 0)	
200		127	40	Silty Sand, grayish brown, (10YR 5/2), very fine to medium grained, occasional rounded gravel and cobbles, (0,70,30 0)	SM
160		98	45	Increase in gravels	
170		122	50		
170		122	55		
160		98	60	(5,70,25,0)	
115		209	65		
			70		



DWG CIR0132L

SECOR

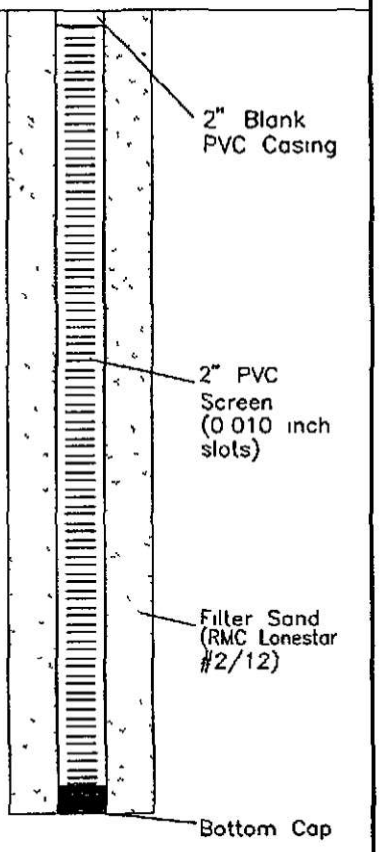
BORING LOG

BORING MW-11
PAGE 3 OF 3

PROJECT CIRCLE K STORE 31476
LOCATION 12660 1ST AVENUE SOUTH SEATTLE, WASHINGTON
SURFACE ELEVATION
CASING TOP ELEVATION 99.72**
START 10/26/94 1103
FINISH 10/26/94 1415
SAMPLER R MILLER
MONITORING DEVICE MICROTIP PID ML-2000
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING INC.; CME 75; 8-1/4 OD HSA
COMMENTS SAMPLED EVERY 5 FEET WITH A 2.5" I.D. X 1.5' LONG SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES DRIVEN BY A 140 LB. HAMMER, 30" STROKE

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface feet	Lithologic Description	Unified Soil Classification
95		11 5	70		SM
100		44 8	75	Sand with Silt, grayish brown, (10YR 5/2), very fine to medium grained, occasional large rounded cobbles occasional gravel (2,90 8 0)	SW-SM
90		42 3	80	Saturated	
80		10 8	85		
80		12 3	90	Boring terminated at 90 feet Sampler advanced to 90 5 feet Groundwater encountered at approximately 80 feet during drilling Boring converted to a groundwater monitoring well on 10/26/94 * Munsell (1990) Soil Color Charts ** Percentage of soil types shown in this order (0 50 45 5) gravel, sand, silt, and clay	
			95		
			100		
			105		

Well Construction Details



** Note
Casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100 00 feet

SECOR

BORING LOG

BORING MW-12
PAGE 1 OF 2

PROJECT CIRCLE K STORE #1476 LOCATION 12880 1ST AVE. S. SEATTLE, WASHINGTON
SURFACE ELEVATION ____ CASING TOP ELEVATION 91.63##
START 4/18/95 0945 FINISH 4/18/95 1135
SAMPLER E. CHAPMAN MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING, INC.; CME 75; 8.25" O.D. HSA
COMMENTS BORING SAMPLED EVERY 5' USING A DAMES & MOORE TYPE SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES ECOLOGY WELL #ABZ 493

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
			0	2" Asphalt		Monument Wellhead; Concrete
				Silty Sand with Gravel dark brown (10YR 4/3)+, wood debris, loose, dry (fill)	SM	
6/7/8		2.8				
65 for 6"		4.3	10	Gravelly Sand with Silt, dark grayish brown (2.5Y 4/2), medium subrounded gravel, fine sand, dry (30,50,20,0)++		
80 for 6"		5.2				
95 for 6"		3.6	20	Decreased gravel (20,60,20,0)		Bentonite Seal
80 for 6"		4.3		Sand with Gravel and Silt, dark gray (2.5Y 4/2), poorly graded, coarse to medium gravel, fine sand, dry (20,70,10 0)	SP-SM	
92 for 6"		5.2	30			
72 for 6"		4.8		Dark greyish brown (2.5Y 4/2)		2" Blank PVC Casing
68 for 6"		4.2	40	Silty Sand with Gravel dark gray (2.5Y 4/2) medium to fine gravel, fine sand very dense dry (25,60 15,0)	SM	
93 for 6"		5.7				
				Sand with Gravel dark gray (2.5Y 4/2) poorly graded medium to fine gravel fine sand trace silt dry (15 80 5 0)	SP	
			50			

SECOR

BORING LOG

BORING MW-12
PAGE 2 OF 2

PROJECT CIRCLE K STORE #1476 LOCATION 12660 1ST AVE. S. SEATTLE, WASHINGTON
SURFACE ELEVATION - CASING TOP ELEVATION 91.63**
START 4/18/95 0945 FINISH 4/18/95 1135
SAMPLER E. CHAPMAN MONITORING DEVICE MICROTIP PID
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING, INC.; CME 75;8.25" O.D. HSA
COMMENTS BORING SAMPLED EVERY 5' USING A DAMES & MOORE TYPE SPLIT SPOON SAMPLER LINED WITH BRASS SLEEVES ECOLOGY WELL #ABZ 493

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading (ppm)	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Well Construction Details
93 for 6"		5.8	50			
82 for 6"		1.8		Dark grayish brown (2.5Y 4/2), medium gravel, medium sand, (30 65,5,0)	SP	
86 for 6"		1.5	60	Moist		
85 for 6"		68		Dry		
				Driller notes change in penetration rate		
81 for 6"		NR	70			
62 for 6"		8.5		Sand with Gravel, very dark gray (2.5Y N3/0), well graded, coarse to fine gravel, coarse to fine black speckled sand, trace silt, wet (30 65,5,0)	SW	
78 for 6"		75+	80			
82 for 6"		NR				
82 for 6"		NR	90			
Blow counts not recorded		NR				
			100	Boring terminated at 95 feet. Groundwater encountered at approximately 69 77 and 82 feet during drilling. Boring converted to a groundwater monitoring well on 4/18/95. * Munsell (1990) Soil Color Charts. ** Percentage of soil types shown in this order (0,30 45 5) gravel, sand silt, and clay based on field observations		

Well Construction Details: Bentonite Seal; 2" Blank PVC Casing; Filter Sand (RMC Lonstar 2/12 Sand); 2" PVC Screen (0.010 inch slots); Bottom Cap

*Sample recovered below minimum required for laboratory analysis

**Note casing top elevation relative to SECOR temporary benchmark with an assigned elevation of 100 00 feet

APPENDIX B
CASCADE WELL DECOMMISSIONING AND INSTALLATION LOGS

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

Consulting Firm **ATC Group**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BKF-752

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** EWM or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature n/a

Tax Parcel No. **144680-0380**

Driller/Trainee License No. **3131**

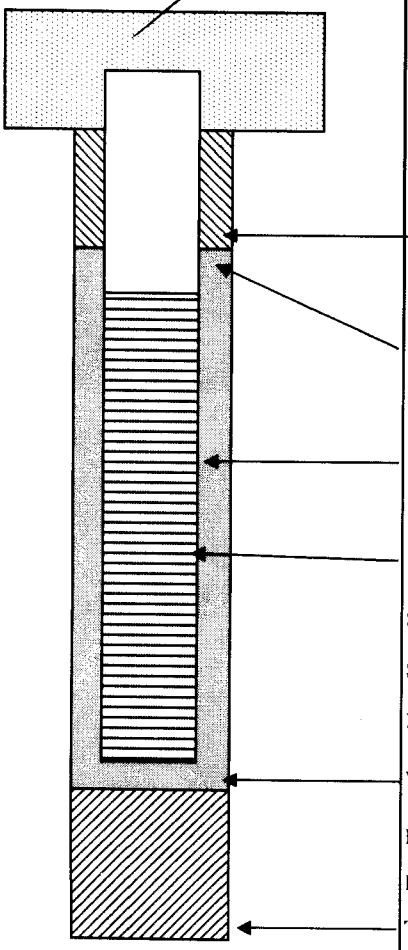
Cased or Uncased Diameter 8" Static Leve 43'

If trainee, licensed driller's Signature and License No.

Work/Decommision Start Date 10-11-18

Work/Decommision End Date 10-11-18

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 20'	
Material	PVC	
Backfill	24'	FT
Type	Med.	
Seal	Bent.	
Material	Chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	020	
Material	PVC	
Well Depth	50'	FT
Backfill	x	
Material	x	
Total Hole Depth	50'	FT

Formation Description

0 - 4' FT
Silt Sand & gravels Backfill Material

4' - 43' FT
light brown to grey Cemented Sandy Silt to gravely grey fill.

43' - 50' FT
Med. to fine light Brown to grey Saturated Sand.

Scale 1" = _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BAF-753

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

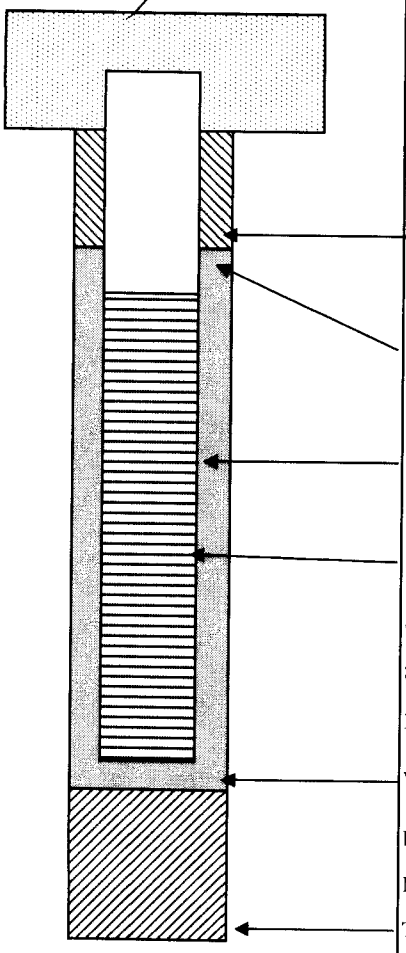
Cased or Uncased Diameter 14"-50' 8"-85' Static Level 43'

Work/Decommision Start Date 10-11-18

Work/Decommision End Date 10-12-18

If trainee, licensed driller's Signature and License No. _____

Construction/Design — Well Data 103-18-1510



Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 45'	
Material	PVC	
Backfill	57'	FT
Type	Med.	
Seal	Bent.	
Material	Chips	
Gravel Pack	22'	FT
Material	7/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	020	
Material	PVC-Sch-40	
Well Depth	85'	FT
Backfill	x	
Material	x	
Total Hole Depth	85'	FT

Formation Description

0 - 4' FT: Silt, Sand & gravels

4' - 43' FT: light brown to grey Cemented Sandy Silt to gravely gravelly Silt

43' - 85' FT: Med to fine light Brown to grey Saturated Sand & Silty gravels

Scale 1" = _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. RE15681

Construction/Decommission
[X] Construction
[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well
[X] Resource Protection
[ ] Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**
Site Address: **12660 1st Ave S**
Consulting Firm: **ATC Group**
City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BKF-754

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. **144680-0380**

[X] Driller [ ] Trainee Name (Print) **James Goble**
Driller/Trainee Signature _____
Driller/Trainee License No. **3131**

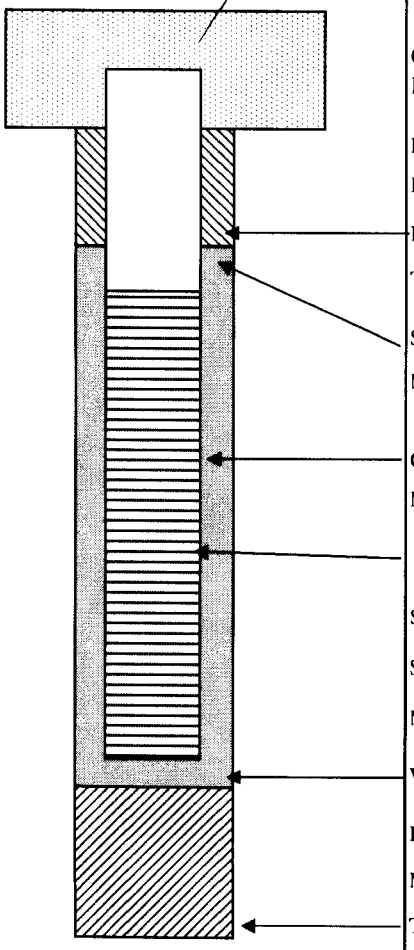
Cased or Uncased Diameter 8" Static Level 37 1/2'

Work/Decommision Start Date 10-15-18

Work/Decommision End Date 10-15-18

If trainee, licensed driller's Signature and License No. _____

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 25	
Material	PVC	
Backfill	19'	FT
Type	Med.	
Seal	Bent.	
Material	Chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2" x 20'	
Slot Size	020	
Material	PVC	
Well Depth	45'	FT
Backfill	1'	
Material	4'	
Total Hole Depth	50'	FT

Formation Description

0 - 37' FT
Brown / grey Silty Sand to Sandy Silt & gravels

0 37'. 50' FT
grey Sandy Silt w/ Sand Stringers & small gravels

0 - FT

Scale 1" = _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No.: BKF-755

Location: 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [E/W/M] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required): Lat Deg x Lat Min/Sec x; Long Deg x Long Min/Sec x

Tax Parcel No.: **144680-0380**

[X] Driller [ ] Trainee Name (Print): **James Goble**

Driller/Trainee Signature: _____

Driller/Trainee License No.: **3131**

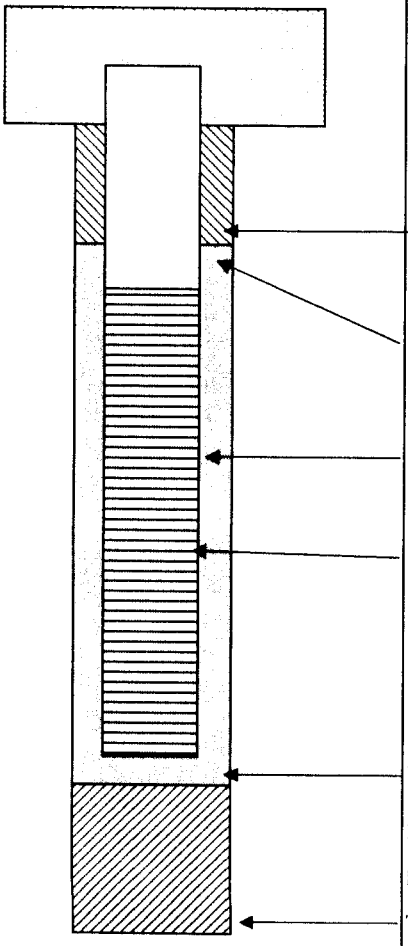
Cased or Uncased Diameter: 14"-45' 8"-76' Static Level: 56'

Work/Decommision Start Date: 10-15-18

Work/Decommision End Date: 10-16-18

If trainee, licensed driller's Signature and License No.: _____

Construction/Design — Well Data 103-18-1510



Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x55'	
Material	PVC	
Backfill	47'	FT
Type	Bent.	
Seal	Bent.	
Material	Chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2"x20'	
Slot Size	020	
Material	PVC	
Well Depth	75'	FT
Backfill	1'	
Material	2/12 Sand	
Total Hole Depth	76'	FT

Formation Description

0 - 4' FT: Fill, Sand & gravels fill Material

4' 0 - 76' FT: Brown - grey Silty Sand to Sandy Silty w/ Silt Stringers

0 - FT & Sand Stringers

Scale 1" = _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm **ATC Group**

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BKF- 756

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Tax Parcel No. **144680-0380**

Driller/Trainee License No. **3131**

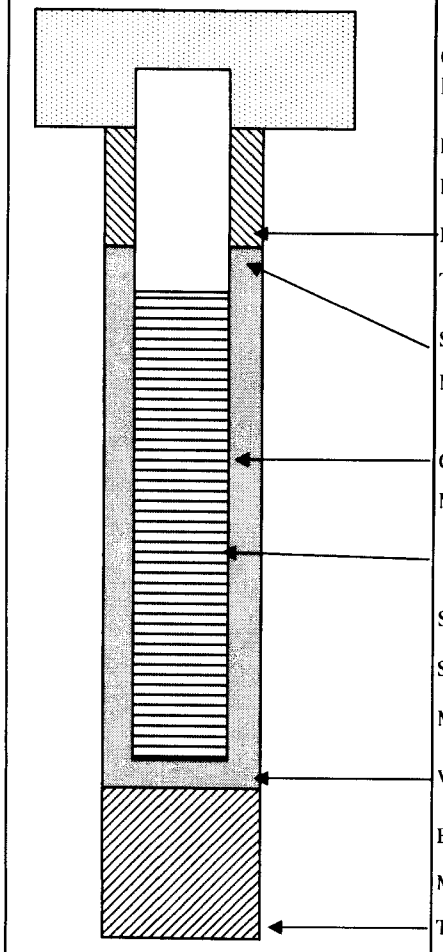
Cased or Uncased Diameter 8" Static Level 47'

If trainee, licensed driller's Signature and License No. _____

Work/Decommision Start Date 10-17-18

Work/Decommision End Date 10-17-18

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x20'	
Material	PVC	
Backfill	24' med	FT
Type	Bent.	
Seal	Chips	
Material		
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2"x 20	
Slot Size	020	
Material	PVC	
Well Depth	50'	FT
Backfill	1' 2/12 Sand	
Material	5' Bent chips	
Total Hole Depth	56'	FT

Formation Description

0 - 2' FT
silty sand & gravel

2' - 47' FT
Brown / grey silty Sand to Sandy Silt & gravels

47' - 56' FT
grey Silty Sand to Sandy Silt w/ Sand Stringers

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BKF-757

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** EWM or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. **144680-0380**

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

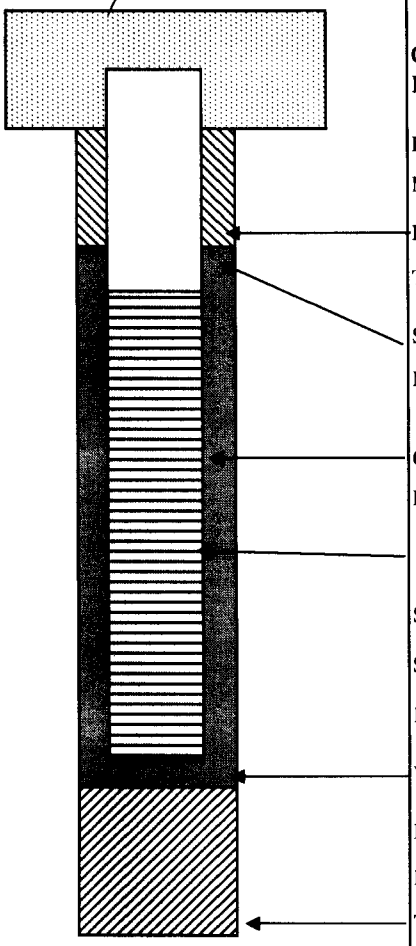
Cased or Uncased Diameter 14"-55' 8"-80' Static Level 67'

Work/Decommision Start Date 10-18-18

Work/Decommision End Date 10-18-18

If trainee, licensed driller's Signature and License No. _____

Construction/Design — Well Data 103-18-1510



Concrete Surface Seal Depth	6'	FT
Blank Casing (dia x dep)	2"x 60'	
Material	PVC, Sch, 40	
Backfill	52'	FT
Type	Natural Bentonite	
Seal		
Material	Chips	
Gravel Pack	22'	FT
Material	7/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	010	
Material	PVC, Sch, 40	
Well Depth	80'	FT
Backfill	x	
Material	x	
Total Hole Depth	80'	FT

Formation Description

0 - 4' FT
Sand & gravel, silty sand & gravels

0 4' - 60' FT
Brown to grey silty sand to sand & silt & small gravels w/ silt & sand stringers

0 60' - 80' FT
grey silty sand & small gravels to fine sand w/ some silt stringers

Scale 1" = _____ Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm **ATC Group**

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BKF-750

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Tax Parcel No. **144680-0380**

Driller/Trainee License No. **3131**

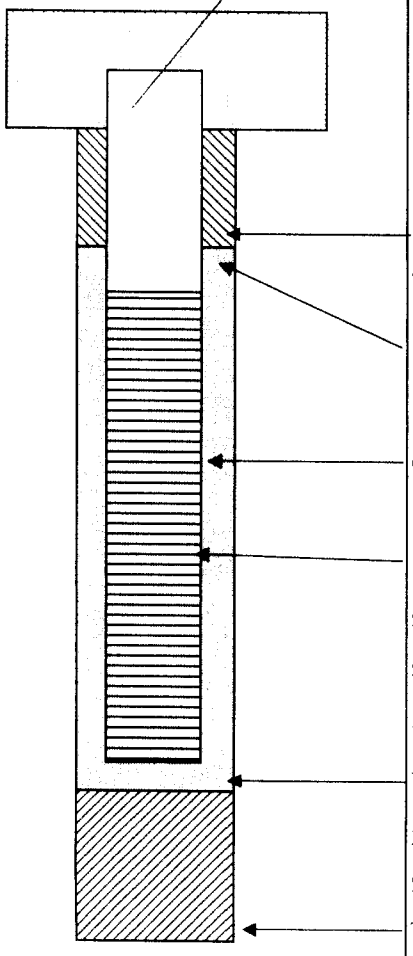
Cased or Uncased Diameter 8" Static Level 29'

If trainee, licensed driller's Signature and License No. _____

Work/Decommision Start Date 10-19-18

Work/Decommision End Date 10-19-18

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2" x 20'	
Material	PVC	
Backfill	24'	FT
Type	Mud	
Seal	Bent	
Material	Chips	
Gravel Pack	22'	FT
Material	#2 Sand	
Screen (dia x dep)	2" x 20'	
Slot Size	010	
Material	PVC	
Well Depth	50'	FT
Backfill	x	
Material	x	
Total Hole Depth	50'	FT

Formation Description

0 - 2' FT
Silty sand & gravel

0 2' - 29' FT
Brown/gray silty sand to sandy silt & some small med gravels

0 29' - 50' FT
gray silty sand & gravel w/ fine - med sand stringers

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BKF-759

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x

Long Deg x Long Min/Sec x

Tax Parcel No. **144680-0380**

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

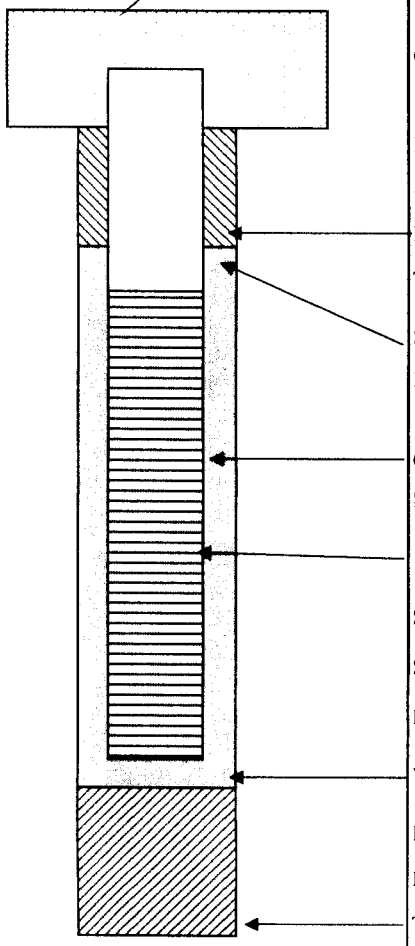
Cased or Uncased Diameter 14"-50, 8"-80' Static Level 49'

Work/Decommision Start Date 10-22-18

Work/Decommision End Date 10-23-18

If trainee, licensed driller's Signature and License No. _____

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 60'	
Material	PVC	
Backfill	54'	FT
Type	Med.	
Seal	Bent.	
Material	Chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	020	
Material	PVC	
Well Depth	80'	FT
Backfill	x	
Material	x	
Total Hole Depth	80'	FT

Formation Description

0 - 3' FT
Silt, Sand, gravels

0 3' - 50' FT
Brown/grey Silty Sand to Sandy Silt, Small gravels w/ Silt & Sand Stringers

0 50' - 80' FT
grey Silty Sand, gravels to fine to med Sand, some Silt Stringers

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm **ATC Group**

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BKF-760

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x

Long Deg x Long Min/Sec x

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Tax Parcel No. **144680-0380**

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature

Driller/Trainee License No. **3131**

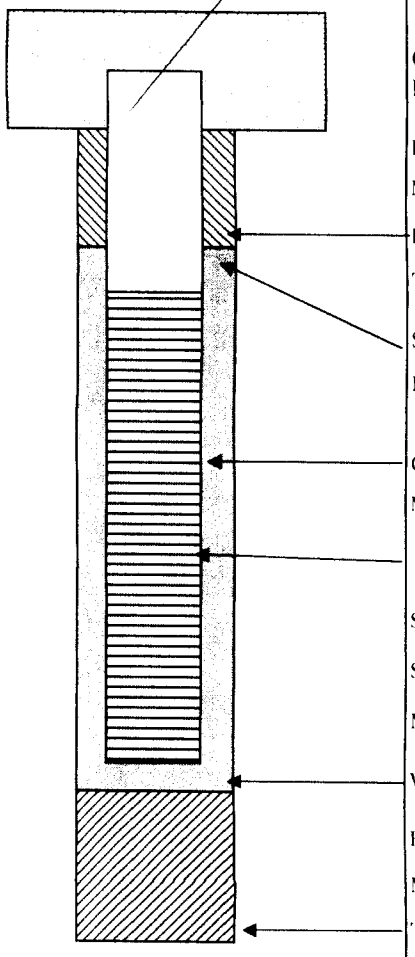
Cased or Uncased Diameter 8" Static Level 29'

Work/Decommision Start Date 10-23-18

If trainee, licensed driller's Signature and License No.

Work/Decommision End Date 10-23-18

Construction/Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 20'	
Material	PVC	
Backfill	24'	FT
Type	Med	
Seal	Bent	
Material	Chips	
Gravel Pack	22'	FT
Material	#2/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	010	
Material	PVC	
Well Depth	50'	FT
Backfill	X	
Material	X	
Total Hole Depth	50'	FT

Formation Description

0 - 2'		FT
Silty sand & gravel		
0 2' - 29'		FT
Fine grey silty sand to sandy silt & some small med gravels		
0 29' - 50'		FT
grey silty sand & gravel w fine - med sand stringers		

Scale 1" = _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BKF-761

Location: ¼ SW ¼ SW Sec 8 TWN 23N R 4E [E/W] of WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print): **James Goble**

Driller/Trainee Signature

Driller/Trainee License No: **3131**

Tax Parcel No: **144680-0380**

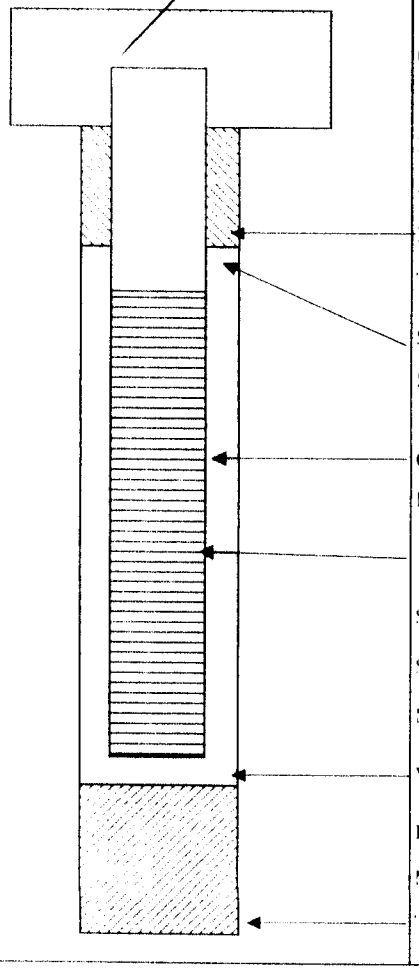
Cased or Uncased Diameter: 14"-50', 8"-86' Static Level: ~~74'~~

Work/Decommission Start Date: 10-25-18

Work/Decommission End Date: 10-26-18 10-25-18

If trainee, licensed driller's Signature and License No.

Construction Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 65'	
Material	PVC	
Backfill	59'	FT
Type	Med.	
Seal	Bentonite	
Material	chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2"x20'	
Slot Size	020	
Material	PVC	
Well Depth	85'	FT
Backfill	1'	
Material	2/12 Sand	
Total Hole Depth	86'	FT

Formation Description

0 - 2' FT: Silt, sand & gravels

0 2' - 50' FT: grey-brown silty sand to sandy silty small gravels

0 50 - 86' FT: grey silty sand - fine to med sand & small gravels

Scale 1" = _____ Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

Unique Ecology Well ID Tag No. BKF-762

Location: ¼ **SW** ¼ **SW** Sec **8** TWN **23N** R **4E** [E] [W] WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print): **James Goble**

Driller/Trainee Signature

Driller/Trainee License No.: **3131**

Tax Parcel No.: **144680-0380**

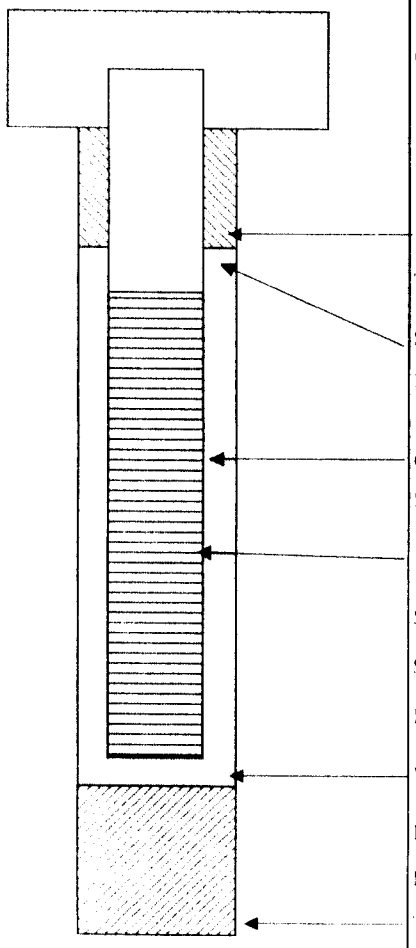
Cased or Uncased Diameter: 14"-50' 8"-86' Static Level: 74'

Work/Decommission Start Date: 10-26-18

Work/Decommission End Date: 10-26-18

If trainee, licensed driller's Signature and License No.

Construction/Design — Well Data 103-18-1510



Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x65'	
Material	PVC	
Backfill	59'	FT
Type	Med	
Seal	Bentonite	
Material	Chips	
Gravel Pack	22'	FT
Material	7/12 Sand	
Screen (dia x dep)	2"x20'	
Slot Size	020	
Material	PVC	
Well Depth	85'	FT
Backfill	1'	
Material	3/8 Sand	
Total Hole Depth	86'	FT

Formation Description

0 - 3' FT
Silt, Sand & gravels

0 3' - 47' FT
grey Silty Sand to Sandy Silt & gravels

0 47' - 86' FT
grey Silty Sand to med to fine Sand & gravels

Scale 1" _____

Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE15681

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: ATC Group

Property Owner: Burien 76 Food Mart

Site Address: 12660 1st Ave S

City: Burien County: King

Unique Ecology Well ID Tag No. BKF- 763

Location: ¼ SW ¼ SW Sec 8 TWN 23N R 4E [E/W] of WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x

Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) James Goble

Driller/Trainee Signature _____

Driller/Trainee License No. ~~3131~~

Tax Parcel No. 144680-0380

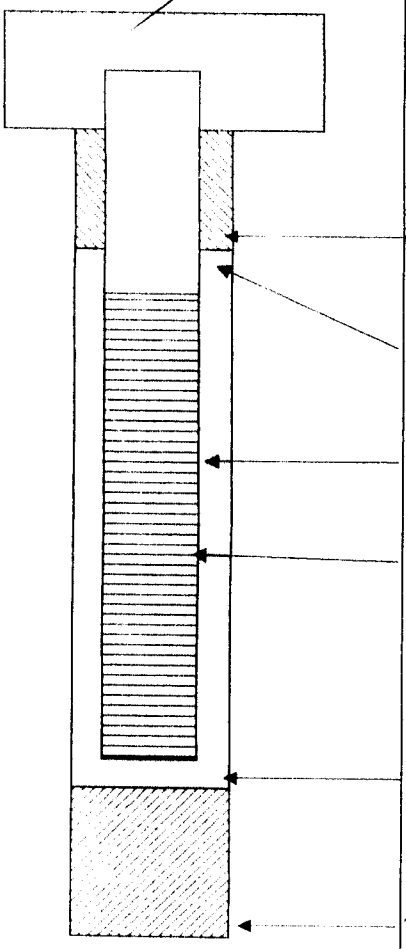
Cased or Uncased Diameter 8" Static Level 23½'

Work/Decommission Start Date 10-29-18

Work/Decommission End Date 10-29-18

If trainee, licensed driller's Signature and License No. _____

Construction Design



Well Data 103-18-1510

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 20'	
Material	PVC	
Backfill	14'	FT
Type	Mud	
Seal	Bentonite	
Material	Chips	
Gravel Pack	22'	FT
Material	7/12 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	020	
Material	PVC	
Well Depth	40'	FT
Backfill	x	
Material	x	
Total Hole Depth	40'	FT

Formation Description

0 - 4' FT
Silty Sand & gravels

0 - 4' 26' FT
Brown-grey Silty Sand to Sandy Silt & small-med. gravels

0 - 26' 40' FT
grey Silty Sand & gravels w/ fine-med. Sand Stringers

Scale 1" _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number*

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EASM

Location: ¼ **SW** ¼ **SW** Sec **8** Twn **23N** **4E**

Lat Long (Std) Lat Deg x Lat Min Sec x

(still Required) Long Deg x Long Min Sec x

Tax Parcel No: **144680-0380**

Cased or Uncased Diameter: 8" Static Level: 24 1/2'

Work Decommission Start Date: 10-30-18

Work Decommission End Date: 10-31-18

Consulting Firm: **NTC Group**

Driller/Engineer/Trainee (Print): **James Goble**

Driller/Engineer/Trainee Signature:

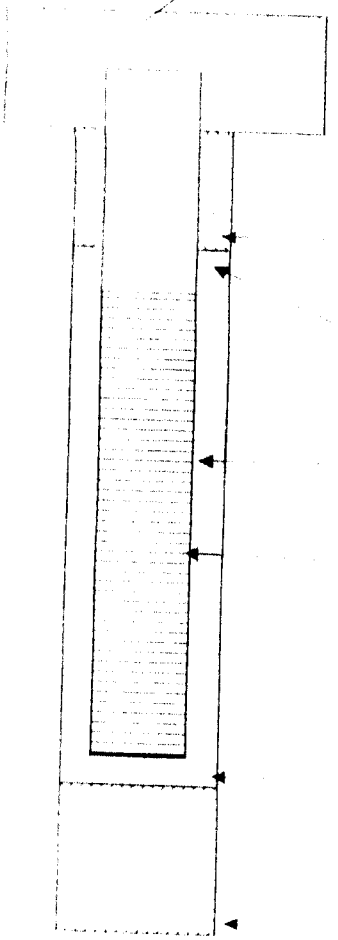
Driller/Engineer/Trainee License No: **3431**

Property Owner Licensed Driller:

Signature and License No:

Ecology Well ID: BKF-764

Construction/Design



Well Data (03-18-1510)

Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2" x 20'	
Material	Pvc	
Backfill	14'	FT
Type	Neat	
Seal	Bentonite	
Material	Chips	
Gravel Pack	22'	FT
Material	2/12 Sand	
Screen (dia x dep)	2 x 20'	
Slot Size	020	
Material	Pvc	
Well Depth	44'	FT
Backfill	x	
Material	x	
Total Hole Depth	44'	FT

Formation Description

0 - 14' FT: Silty Sand & gravels

0 - 4' FT: Brown-grey silty Sand to Sandy Silt & small-med gravels

4' - 26' FT: Grey Silty Sand & gravels w/ fine-med Sand Stringers

Scale

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. **RE15681**

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm **ATC Group**

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BKF-765

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

[X] Driller [ ] Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

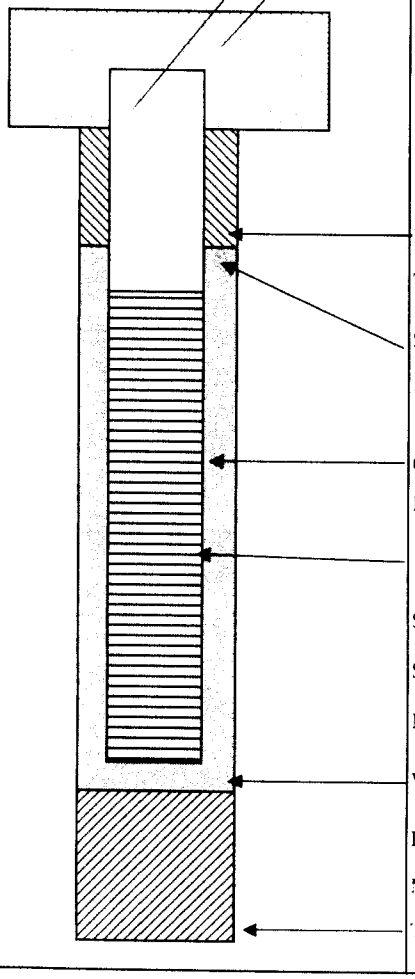
Cased or Uncased Diameter 8" Static Level 29'

Work/Decommision Start Date 10-31-18

Work/Decommision End Date 10-31-18

If trainee, licensed driller's Signature and License No. _____

Construction/Design | **Well Data** 103-18-1510 | **Formation Description**



Concrete Surface Seal Depth	4'	FT
Blank Casing (dia x dep)	2"x 20'	
Material	PVC	
Backfill	24'	FT
Type	Med	
Seal	Bent	
Material	Chips	
Gravel Pack	22'	FT
Material	#2 Sand	
Screen (dia x dep)	2"x 20'	
Slot Size	.020	
Material	PVC	
Well Depth	50'	FT
Backfill	X	
Material	X	
Total Hole Depth	50'	FT

Formation Description

0 - 2' FT
Silty sand & gravel

0 2' - 29' FT
Brown/gray silty sand to sandy silt & some small - med gravels

0 29' - 50' FT
gray silty sand & gravel w/ fine - med sand stringers

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. **144680-0380**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

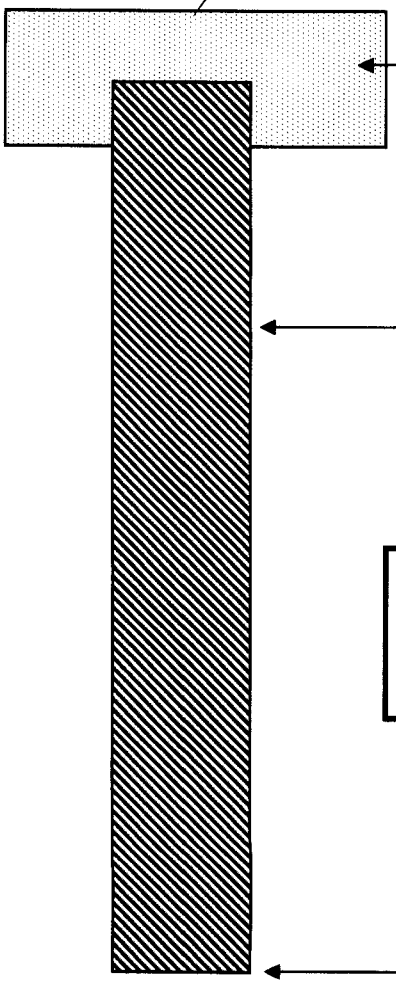
Cased or Uncased Diameter 4" Uk11 Static Level 10'

Work/Decommision Start Date 10-24-18

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design Well Data 103-18-1510 Formation Description



CONCRETE SURFACE SEAL 2' FT — 0 - 94' FT

Decommission 94', 4" By chip in place

BACKFILL 91' FT (Bent. chips) — 0 - FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-5

DEPTH OF BORING 94' FT

Scale 1" = _____ Page _____ of _____

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. **144680-0380**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

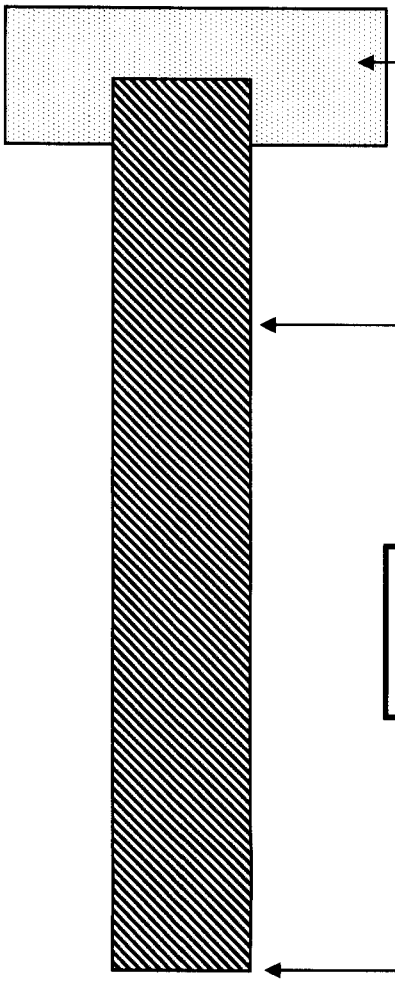
Cased or Uncased Diameter 4" LWCU Static Level 43'

Work/Decommision Start Date 10-24-18

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design



Well Data 103-18-1510

CONCRETE SURFACE SEAL 3' FT

BACKFILL 51' FT

Bent. chips

DEPTH OF BORING 54' FT

Formation Description

0 - 54' FT

Decommission 54', 4" By chip in place

0 - FT

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-1e

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. **144680-0380**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

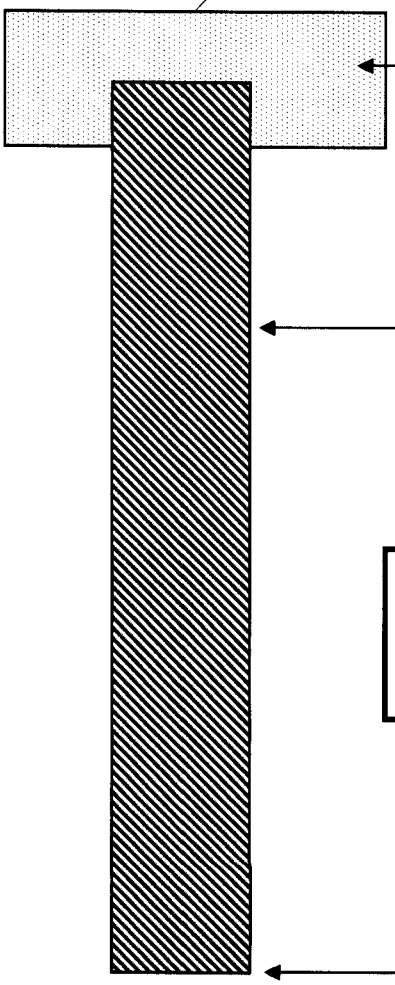
Cased or Uncased Diameter 4" Well Static Level 42'

Work/Decommision Start Date 10-24-18

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design



Well Data 103-18-1510

CONCRETE SURFACE SEAL	5' FT	0 - 50' FT	Decommission 50', 4" By chip in place
BACKFILL	47' FT	0 - FT	Bent. chips
DEPTH OF BORING	50' FT		

Formation Description

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-2

Scale 1" = _____

ECY 050-12 (Rec=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

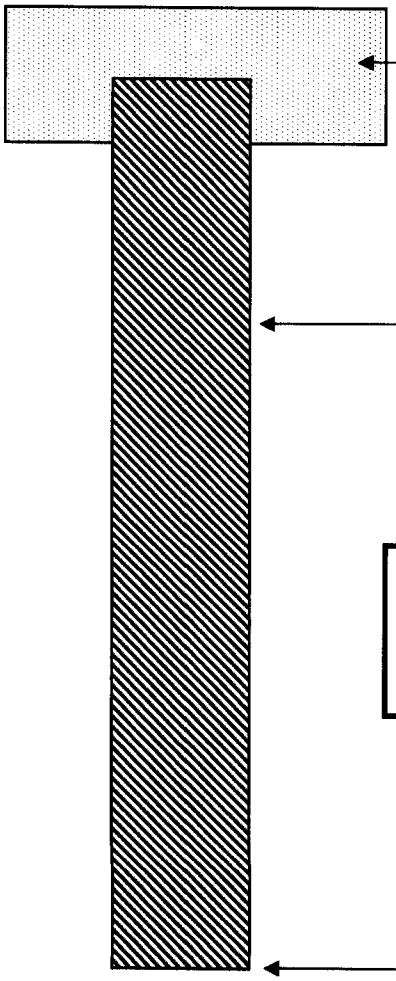
Cased or Uncased Diameter 4" Static Level 59'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10·25·18

Work/Decommision Completed Date 10·25·18

Construction/Design



Well Data 103-18-1510

		Formation Description
CONCRETE SURFACE SEAL	4' FT	0 - 75' FT Decommission 75' 4" Bg chip in place
BACKFILL	71' FT Bentonite chips	0 - FT
DEPTH OF BORING	75' FT	

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-3

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

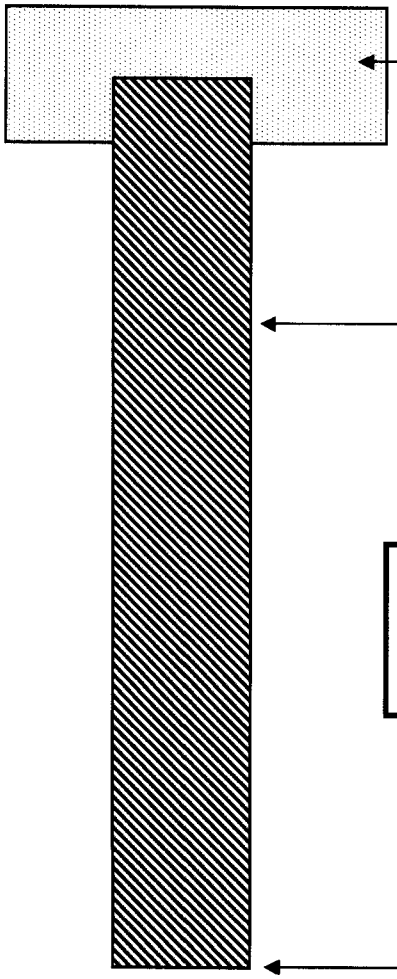
Cased or Uncased Diameter 4" Static Level 49½'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10·25·18

Work/Decommision Completed Date 10·25·18

Construction/Design | Well Data 103-18-1510 | Formation Description



CONCRETE SURFACE SEAL 4" FT — 0 - 80' FT
Decommission 80', 4"
By chip in place

BACKFILL 71' FT — 0 - FT
Bentonite chips

DEPTH OF BORING 80' FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-4

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec=v 2/01)

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

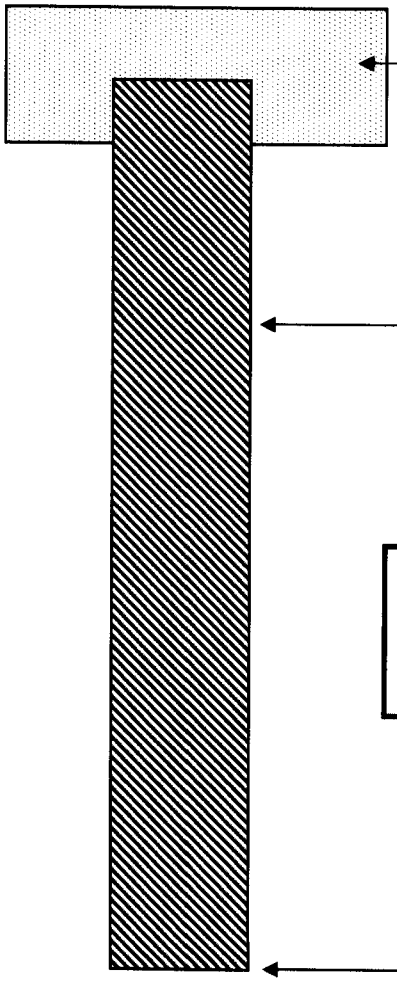
Cased or Uncased Diameter 4" Static Level 39'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10-30-18

Work/Decommision Completed Date 10-30-18

Construction/Design | Well Data 103-18-1510 | Formation Description



CONCRETE SURFACE SEAL 4' FT — 0 - 50' FT

Decommission 50' 4" By chip in place

BACKFILL 46' FT (Bentonite chips) — 0 - FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-1

DEPTH OF BORING 50' FT

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rec=v 2/01)

APPENDIX C

TRUE NORTH 2018 WELL SURVEY DATA

True NORTH LAND SURVEYING, INC.
206.332.0800

JOB# 18-211

12660 1st Ave. S, Seattle, WA

Survey Date: December 10, 2018

Monitoring Wells

MW#	Northing	Easting	Top of metal case Elev.	Top of PVC pipe Elev.	Description
GW-8D	181771.81	1269587.65	414.026	413.767	"V" notch north side 2" PVC
GW-8S	181770.88	1269585.02	414.121	413.765	"V" notch north side 2" PVC
GW-10D	181854.71	1269503.33	415.815	415.300	"V" notch north side 2" PVC
GW-10S	181856.36	1269505.43	415.839	415.458	"V" notch north side 2" PVC
GW-13D	181845.39	1269617.85	413.480	412.939	"V" notch north side 2" PVC
GW-13S	181845.49	1269614.61	413.511	413.133	"V" notch north side 2" PVC
GW-14D	181846.71	1269581.75	414.172	413.718	"V" notch north side 2" PVC
GW-14S	181846.24	1269577.57	414.187	413.781	"V" notch north side 2" PVC
GW-15D	181864.24	1269605.52	414.482	414.005	"V" notch north side 2" PVC
GW-15S	181864.61	1269600.89	414.534	414.056	"V" notch north side 2" PVC
GW-16D	181886.76	1269586.28	415.764	415.241	"V" notch north side 2" PVC
GW-16S	181888.42	1269583.40	415.858	415.438	"V" notch north side 2" PVC
GW-17D	181876.97	1269562.65	415.474	415.071	"V" notch north side 2" PVC
GW-17S	181873.98	1269561.23	415.406	414.843	"V" notch north side 2" PVC
GW-18D	181850.15	1269551.22	414.607	414.179	"V" notch north side 2" PVC
GW-18S	181850.47	1269547.75	414.685	414.311	"V" notch north side 2" PVC

Notes:

1. Horizontal Datum is NAD 83/11 at GP17509-171.
2. Vetical Datum from information supplied by ATC, used GW12 and GW10, appears to be NAVD '88.
3. The elevations of the PVC pipe are at "V" notch at the north side.
4. Elevations were established by differential levels using a Lieca DNA10

APPENDIX D

2018 SOIL BORING AND WELL CONSTRUCTION LOGS

LOG OF GW-8S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/17/18 Ended 10/30/18 | Total Depth (ft) 40.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 20

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				SM		Asphalt to 3-inches below ground surface (bgs). Light gray to yellow, moist, fine SILTY SAND. No gravel noted.	Flush mounted 8-inch diameter vault. 2-inch locking cap.	
	GB GW-8S-3		0.2			Becomes slightly moist and "with" grvael.	Concrete surface seal	
5	GB GW-8S-5		0.3			No recovery.		5
10	SS	31 50/6"	0.0	SM		Medium brown, slightly moist, SILTY SAND with some gravel. 75% sand (mostly fine), 15% silt, 10% gravel (fine to coarse sub-rounded).	Hydrated bentonite chips.	10
15	SS GW-8S-15	50/6"	0.1			Increased gravel and increased medium sand fraction. 65% sand (mostly fine), 20% gravel (fine to coarse, sub-rounded), 15% silt.	2-inch Sch 40 blank PVC.	15
20	SS	50/6"	0.3	SP		Medium brown, wet, SAND with silt and trace gravel. 85% sand (mostly fine), 10% silt, 5% gravel (fine to medium, sub-rounded).		20
25	SS	36 50/6"	0.1			Trace silt and no gravel recovered.	Colorado silica sand.	25
30	SS	100/6"	0.2	GW		Driller notes denser and potentially unsaturated conditions beginning at 28.5' bgs. Medium brown, wet, SANDY GRAVEL with trace silt. 65% gravel (fine to coarse, sub-angular to sub-rounded), 30% sand (fine to coarse), 5% silt.	2-inch Sch 40 0.010 slotted PVC	30
35	SS	100/6"	0.2	SP		Medium brown, wet, GRAVELLY SAND, with silt. 65% sand (mostly fine to medium), 25% gravel (fine to coarse, sub-angular to sub-rounded), 10% silt.		35
40	SS GW-8S-40	100	0.2	SP/SM		medium brown, damp, SAND wtih gravel and silt. 75% sand (mostly fine to medium), 15% gravel (fine to medium sub-angular to sub-rounded), 10% silt.	2-inch sch 40 end cap.	40
						Bottom of hole at 40.5 feet		

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-764

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-10S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/16/18 Ended 10/29/18 | Total Depth (ft) 40.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 23

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				SM		Asphalt	Flush mounted 8-inch diameter vault. 2-inch locking cap.	
				SP		Yellow, fine SILTY SAND 80% (fine), 20% silt SAND (fine)		
	GB GW-10S-3		1.1	SM		Light yellow-gray, SILTY SAND with gravel, 50% sand, 40% silt, 10% gravel	Concrete surface seal	
5	GB GW-10S-5.5	36 50/6"	0.2	SP SM		Medium brown, dry to slightly moist, SAND with silt and gravel. 85% sand (mostly fine to medium), 10% silt, 5% gravel (fine, sub-angular to sub-rounded).		5
10	SS	50/6"	0.2			Medium brown-gray, slightly moist, SILTY SAND with gravel. 70% sand (mostly fine to medium), 15% silt, 15% gravel (fine, sub-angular to sub-rounded).	Hydrated bentonite chips.	10
15	SS GW-10S-15	50/6"	0.1	SM		Slightly less gravel and gravel becomes fine	2-inch Sch 40 blank PVC.	15
20	SS	50/4"	0.1			Becoming moist to damp Driller reports groundwater encountered at 23 feet		20
25	SS	50/6"	0.2	SP		Medium brown, wet, SAND with trace silt and gravel. 90% sand (fine to medium), 5% silt, 5% gravel (fine to medium sub-angular to sub-rounded).		25
			0.1	SM		Medium brown, moist to damp, SILTY SAND with gravel. 75% sand (fine to medium) , 15% silt, 10% gravel (mostly fine to medium, sub-angulr to sub-rounded).		
30	SS GW-10S-30	50/6"	0.2			Becomes wet	Colorado silica sand.	30
35								35
	SS	100/5"	0.1	SP		Medium brown-gray, dry to slightly moist, SAND with silt and gravel/cobble. 80% sand (mostly fine), 10 % silt, 10% gravel/cobble (fine to coarse, sub-angular to sub-rounded).	2-inch Sch 40 0.010 slotted PVC	
40	SS GW-10S-40	50/6"	0.3	SP SM		Medium brown, wet, SAND with silt and gravel. 75% sand (mostly fine to medium), 15% gravel (fine to coarse, sub-angular to sub-rounded), 10% silt. Note: wet conditions may be due to water travelling down borehole from saturated zone above.	2-inch sch 40 end cap.	40
						Bottom of hole at 40.5 feet		

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-763

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-13S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/8/18 Ended 10/11/18 | Total Depth (ft) 50.5

Logged By L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 45

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				GW		Asphalt Gravel base (3/4"-) Medium brown to gray, dry to slightly moist, SILTY SAND with some gravel. 55% sand (mostly fine), 40% silt, 5% gravel	Flush mounted 8-inch diameter vault. 2-inch locking cap. Concrete surface seal	
	GB GW-13S-5		0.7			Increased sand. 75% sand (fine to medium), 20% silt, 5 % gravel (fine to medium, sub-rounded).		
10	SS	20 50/6"	0.8			Slightly Moist.	Hydrated bentonite chips.	10
	SS	50/6"	0.9	SM		Becomes dry to slightly moist. Slight increase in medium sand fraction. 80% sand (fine to medium), 15% silt, 5% gravel (fine to medium, sub-rounded).	2-inch Sch 40 blank PVC.	
20	SS GW-13S-20	43 50/6"	0.9			Increased coarse gravel fraction.		20
	SS	50/6"	1.1			Moist. 70% sand (fine to medium), 15% silt, 15% gravel (fine to coarse, sub-rounded).		
30	SS	50/6"	1.5					30
	SS	50/5"	1.7			Increased sand content. 75% sand (fine to medium), 10% silt, 15% gravel (fine to coarse, sub-rounded).	Colorado silica sand.	
40	SS GW-13S-40	50/6"	4.0			Becomes medium gray. 75% sand (fine to coarse), 15% silt, 10% gravel (fine to coarse, sub-rounded).	2-inch Sch 40 0.010 slotted PVC	40
	SS	36 50/6"	2.7 1.8	SP SM ML		Medium brown, wet, SAND with some silt and trace gravel. 85% sand (fine), 10% silt, 5% gravel (fine to coarse, sub-rounded). Possilbe slight hydrocarbon-like odor. Medium brown-gray, moist, SILT with some sand. 95% silt, 5 % sand (fine).		
50	SS	50/6"	10.3	SM		Driller comments that from approximately 45 to 50 feet bgs, it felt like lenses of siltier and sandier soils. Medium brown-gray, damp, SILTY SAND with some gravel. 60% sand (mostly fine to medium), 30% silt, 10% gravel (fine sub-rounded) Bottom of hole at 50.5 feet	2-inch sch 40 end cap.	50

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-752

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-13D

SHEET 1 OF 2

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/8/18 Ended 10/1/18 | Total Depth (ft) 85.5

Logged By L. Brown/B. Goulet | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 80

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0				GW		Asphalt (2 x layers: Upper = 0.2' , Lower = 0.1')	Flush mounted 8-inch diameter vault. 2-inch locking cap.	0
						Gravel base. (3/4"-)		
				SM		Medium brown-gray, dry to slightly moist, SILTY SAND with trace gravel. 55% sand (mostly fine), 40% silt, 5 % gravel.	Concrete surface seal	
5	GB GW-13D-5		0.7			80% sand (mostly fine to medium), 15% silt, 5% gravel (fine to medium, sub-angular to sub-rounded).		5
						No Recovery from 5.5 to 55 feet bgs		
10								10
15							2-inch Sch 40 blank PVC.	15
20								20
25								25
30								30
35								35
40								40

(continued)

6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-753

See key sheet for symbols and abbreviations used above.

LOG OF GW-13D

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/8/18 Ended 10/1/18 | Total Depth (ft) 85.5

Logged By L. Brown/B. Goulet | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 80

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
						No Recovery from 5.5 to 55 feet bgs *(continued)*		
55	SS	50/4"	1.2			Brown, dry, SILTY SAND. 60% sand (fine), 35% silt, 5% gravel (sub-rounded)	Hydrated bentonite chips.	55
60	SS GW-13D-60	30 50/6"	1.3			Becomes gray		60
65	SS	50/6"	1.2	SM		65% sand (fine), 30% silt, 5% gravel		65
70	SS	50/6"	1.8			Becomes brown, dry to slightly moist	Colorado silica sand.	70
75	SS	50/6"	1.0			Becomes moist. 70% sand (fine to coarse), 25% silt, 5 % gravel (sub-rounded).	2-inch Sch 40 0.010 slotted PVC	75
80	SS	50/6"	1.5	SP		Brown, wet, SAND with some silt. 90% sand (fine to medium), 10% silt.	▽	80
85	SS GW-13D-85	50/6"	1.3			Bottom of hole at 85.5 feet	2-inch sch 40 end cap.	85

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-753

See key sheet for symbols and abbreviations used above.

LOG OF GW-14S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/9/18 | Ended 10/17/18 | Total Depth (ft) 55.5

Logged By L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				GW	Asphalt (2 x layers: Upper = 0.2' , Lower = 0.1')	Flush mounted 8-inch diameter vault.	
					Gravel base (3/4"-)	2-inch locking cap.	
				SM	Medium brown-gray, dry to slightly moist, SILTY SAND with gravel. 55% sand (mostly fine), 40% silt, 5 % gravel (sub-angular to sub-rounded).	Concrete surface seal	
10	SS GW-14S-10	22 50/6"	0.1		Becomes moist. 65% sand (mostly fine to medium), 30% silt, 5% gravel (fine to coarse, sub-rounded).	Hydrated bentonite chips.	10
	SS GW-14S-12	33 50/6"	0.1	SP SM	Medium brown, moist, SAND with silt/ SILTY SAND with trace gravel. 80% sand (fine to medium), 15% silt, 5% gravel (fine to coarse, sub-rounded)		
	SS GW-14S-15	50/6"	0.0		Medium brown, moist, SAND with gravel and silt. 75% sand (fine to medium), 15% gravel (fine to coarse, sub-rounded), 10% silt.	2-inch Sch 40 blank PVC.	
20	SS GW-14S-20	50/6"	598.9	SP	Becomes medium gray, moist. Strong hydrocarbon-like odor, stained, slight sheen.		20
	SS	50/6"	1.2		Hydrocarbon-like odor becoming slight. Stained. No sheen observed. 75% sand (fine to medium), 15 % gravel (fine to coarse, sub-rounded), 10% silt.		
30	SS GW-14S-30	50/6"	0.6	SP SM	Medium gray, dry to slightly moist, SAND with silt / SILTY SAND with gravel. Slight hydrocarbon-like odor. Possible staining. No sheen observed. 70% sand (fine to medium), 15% gravel (fine to coarse, sub-rounded), 15% silt.		30
	SS GW-14S-35	50/6"	124.7		Brown silt chunk in bottom of split-spoon	Colorado silica sand.	
					Medium gray, moist, SILTY SAND with gravel. 70% sand (mostly fine), 15% gravel (fine to coarse, sub-rounded), 15% silt. Slight hydrocarbon-like odor, stained, no sheen observed.		
40	SS GW-14S-40	50/6"	1.4	SM	Becoming medium brown-gray with reduced staining. Dry to slightly moist. Slight hydrocarbon-like odor. No sheen observed.	2-inch Sch 40 0.010 slotted PVC	40
	SS	50/6"	20.6		Becomes slightly moist. Moderate hydrocarbon-like odor, possibly stained, no sheen.		
50	SS GW-14S-50	50/6"	0.8		Becomes medium gray, moist. Sand fraction becomes mostly fine to medium. Slight hydrocarbon-like odor, no staining, no sheen.	2-inch sch 40 end cap.	50
	SS	50/6"	6.0		Bottom of hole at 55.5 feet	Hydrated bentonite chips	

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-756

See key sheet for symbols and abbreviations used above.

LOG OF GW-14D

SHEET 1 OF 2

Project AOC - 2063 Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company Drill Method Hollow Stem Auger Elevation (ft amsl) --

Prj. No. Z076000070 Drilling Started 10/16/18 Ended 10/18/18 Total Depth (ft) 81

Logged By A. Degefa/ L. Brown Drill Contractor Cascade Drilling Inc. Depth To Water (ft) ▽ ATD 65

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0				GW		Asphalt	Flush mounted 8-inch diameter vault. 2-inch locking cap.	0
						Gravel base layer		
	GB GW-14D-3		0.6	SM		Light gray-yellow, SILTY SAND with gravel. 60% sand (fine to medium), 30% silt, 10% gravel. Coarse sand lenses between 2' and 3'.	Concrete surface seal	
5						No recovery from 5 to 60 feet bgs.		5
10							Hydrated bentonite chips.	10
15							2-inch Sch 40 blank PVC.	15
20								20
25								25
30								30
35								35
40								40

(continued)

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-757

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-14D

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/16/18 Ended 10/18/18 | Total Depth (ft) 81

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 65

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
						No recovery from 5 to 60 feet bgs.*(continued)*		
60	SS GW-14D-60	50/5"	0.0	SM		Medium gray, damp to wet, SILTY SAND with gravel. 75% sand (mostly fine to medium), 15% silt, 10% gravel (fine to coarse sub-rounded).		60
65	SS	50/6"	0.0			Becomes wet.	2-inch Sch 40 0.010 slotted PVC	65
70	SS	50/6"	0.1			Becomes medium brown, wet, increased silt content. 55% sand (mostly fine to medium), 40% silt, 5% gravel (fine, sub-rounded). Driller notes increased density at 70' and decreased density at 71'.	Colorado silica sand.	70
75	SS	50/6"	0.0	SP		Medium brown-gray, wet, SAND with silt and gravel. 85% sand (mostly medium), 10% silt, 5% gravel (fine to medium, sub-rounded).		75
80	SS GW-14D-80	37 50/6"	0.0			Bottom of hole at 81 feet	2-inch sch 40 end cap.	80
85								85

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Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-757

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-15S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/9/18 Ended 10/15/18 | Total Depth (ft) 50.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				GW		Asphalt (2 x layers: Upper = 0.2' , Lower = 0.1')	Flush mounted 8-inch diameter vault. 2-inch locking cap. Concrete surface seal	
						Gravel base (3/4"-)		
				SM		Medium brown-gray, dry to slightly moist, SILTY SAND with gravel. 55% sand, 40% silt, 5% gravel.		
5						Becomes moist, decreased silt. 80% sand (fine to medium), 15% silt, 5% gravel.		5
						No Recovery		
10	SS GW-15S-11	31 50/6"	0.1			Medium brown-gray, moist, SILTY SAND with trace gravel. 70% sand (fine to medium), 25% silt, 5% gravel (fine to medium, sub-rounded).	Hydrated bentonite chips.	10
15	SS GW-15S-15	50/6"	0.2			Becomes slightly moist. Increased gravel and sand. 75% sand, 15% silt, 10% gravel.	2-inch Sch 40 blank PVC.	15
20	SS GW-15S-20	50/6"	0.1			Slight increase in coarse sand fraction.		20
				SM				
25	SS GW-15S-25	50/6"	0.1			Becomes moist.		25
30	SS GW-15S-30	50/6"	0.8			Slight increase in gravel and coarse sand fraction. 70% sand (fine to medium), 15% silt, 15 % gravel (fine to medium, sub-rounded).		30
35	SS GW-15S-35	50/6"	3.0			Becomes Medium gray, increased silt and sand. 65% sand (mostly fine) 25% silt, 10% gravel (fine to coarse, sub-rounded). Possible slight hydrocarbon-like odor, possible staining, no sheen.	2-inch Sch 40 0.010 slotted PVC	35
40	SS GW-15S-40	50/6"	253.1			Medium gray, moist, SAND with gravel and silt. 80% sand (fine to medium), 10% silt, 10% gravel (fine to coarse, sub-rounded). Strong hydrocarbon-like odor, stained, no sheen.	Colorado silica sand.	40
				SP				
45	SS GW-15S-45	50/6"	7.7			Medium brown, damp, SILTY SAND with gravel. Apparent interbeds of two compositions: 70% sand (fine to medium), 15% silt, 15% gravel (fine to coarse) interbedded with 65% sand (fine to medium), 25% silt, 10% gravel (fine to coarse). Slight hydrocarbon-like odor, no staining, no sheen.	2-inch sch 40 end cap. Hydrated bentonite chips.	45
50	SS	50/6"	8.7	SM		Becomes medium brown, moist. 65% sand (fine to coarse), 20% gravel (fine to coarse, sub-rounded), 15% silt.		50
						Bottom of hole at 50.5 feet		

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Remarks: Ecology Well Tag ID: BKF-754

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-15D

SHEET 1 OF 2

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/10/18 Ended 10/15/18 | Total Depth (ft) 75.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 63

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0				GW		Asphalt (2 x layers: Upper = 0.2' , Lower = 0.1')	Flush mounted 8-inch diameter vault. 2-inch locking cap.	0
						Gravel base (3/4"-)		
	SS GW-15D-3		0.6	SM		Light gray-brown, dry to slightly moist, SILTY SAND with trace gravel. 55% sand (mostly fine), 40% silt, 5% gravel.	Concrete surface seal	
5				SM		Increased sand/decreased silt. 80% sand (fine to medium), 15% silt, 5% gravel		5
						No recovery from 5 to 55 feet bgs.		
10							Hydrated bentonite chips.	10
15							2-inch Sch 40 blank PVC.	15
20								20
25								25
30								30
35								35

(continued)

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LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-15D

SHEET 2 OF 2

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/10/18 Ended 10/15/18 | Total Depth (ft) 75.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 63

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
						No recovery from 5 to 55 feet bgs.*(continued)*		
55	SS GW-15D-55	31 50/6"	0.1	SM		Medium gray-brown, moist, SILTY SAND with gravel. 75% sand (mostly fine to medium), 15% silt, 10% gravel (fine to coarse, sub-rounded to sub-angular).		55
60	SS GW-15D-60	29 50/6"	0.4 0.2	ML		Light gray to Medium brown, moist, SILT with some sand. 70% silt, 25% sand (fine to medium), 5% gravel (fine to medium, sub-rounded).	Colorado silica sand.	60
				SM		Light gray to medium brown, moist, SILTY SAND with trace gravel. 65% sand (fine to medium), 30% silt, 5% gravel (fine to medium, sub-rounded)		
65	SS	32 50/6"	0.1			Medium gray, wet, SILTY SAND with trace gravel. 60% sand (fine to medium), 35% silt, 5% gravel.	2-inch Sch 40 0.010 slotted PVC	65
70	SS GW-15D-70	40 50/6"	0.8 0.9			Increase silt content. 55% sand (finet to medium), 40% silt, 5% gravel.		70
75	SS	50/6"	0.1	GW		Medium gray, wet, SILTY GRAVEL AND SAND. 50% gravel (fine to medium, sub-rounded), 30% sand (fine to medium), 20% silt.	2-inch sch 40 end cap.	75
						Bottom of hole at 75.5 feet		

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See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-16S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/10/18 Ended 10/31/18 | Total Depth (ft) 50

Logged By L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0			GW SM		Asphalt Gravel base (3/4"-) Light gray-brown, dry to slightly moist, SILTY SAND with trace gravel. 65% sand (mostly fine), 30% silt, 5% gravel.	Flush mounted 8-inch diameter vault. 2-inch locking cap. Concrete surface seal	0
5					No recovery from 5 feet to bottom of boring (50 feet bgs).		5
10						Hydrated bentonite chips.	10
15						2-inch Sch 40 blank PVC.	15
20							20
25							25
30							30
35						Colorado silica sand.	35
40						2-inch Sch 40 0.010 slotted PVC	40
45							45
50					Bottom of hole at 50 feet	2-inch sch 40 end cap.	50

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Remarks: Ecology Well Tag ID: BKF-765

See key sheet for symbols and abbreviations used above.

LOG OF GW-16D

SHEET 1 OF 2

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/11/18 Ended 10/25/18 | Total Depth (ft) 85

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 77

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
			GW			Asphalt	Flush mounted 8-inch diameter vault. 2-inch locking cap.	
			SM			Gravel base (3/4"-)		
	GB GW-16D-3		0.2	ML		Light gray-brown, moist, SILTY SAND with gravel. 50% sand, 30% silt, 20% gravel.		
						Light gray , moist, SILT with sand. 60% silt, 40% sand.	Concrete surface seal	
5						Light gray, moist, SILTY SAND with gravel. 40% sand, 30% silt, 30% gravel.		5
10	SS GW-16D-11	27 50/6"	0.6			Becomes medium brown, slightly moistl. 55% sand (mostly fine), 35% silt, 10% gravel (fine to coarse, sub-angular to sub-rounded).		10
15	SS GW-16D-15	50/6"	0.4			Becomes slightly moist. 65% sand (mostly fine), 25% silt, 10% gravel (fine to coarse, sub-angular to sub-rounded).	2-inch Sch 40 blank PVC.	15
20	SS GW-16D-20	50/6"	1.0			Becomes medium gray. Gravel becomes trace. 65% sand (fine to medium), 30% silt, 5% gravel (fine, sub-angular to sub-rounded). Possible slight hydrocarbon-like odor, possible staining, no sheen.		20
25	SS GW-16D-25	50/6"	1,149	SM		Becomes medium blue-gray (stained). Strong hydrocarbon-like odor, slight sheen. Increased gravel. 65% sand (mostly fine), 15% silt, 20% grave (fine to coarse, sub-angular, sub-rounded).		25
30	SS	42 50/6"	4.3			Decreased hydrocarbon-like odor, no sheen. 70% sand (mostly fine), 20% silt, 10% gravel (fine to coarse, sub-angular to sub-rounded).	Hydrated bentonite chips.	30
35	SS GW-16D-35	50/6"	0.6			Becomes meium brown, gravelly. 60% sand (mostly fine to medium), 10% silt, 30% gravel (fine to coarse, sub-angular to sub-rounded). No apparent hydrocarbon-like odor, no staining, no sheen.		35
40	SS GW-16D-40	37 50/6"	1.0			Decreased gravel. 65% sand (mostly fine to medium), 15% silt, 20% gravel (fine to coarse, sub-angular to sub-rounded).		40

(continued)

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Remarks: Ecology Well Tag ID: BKF-762

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-16D

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/11/18 Ended 10/25/18 | Total Depth (ft) 85

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 77

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
	SS	50/6"	1.1			Decreased gravel. 65% sand (mostly fine to medium), 15% silt, 20% gravel (fine to coarse, sub-angular to sub-rounded).*(continued)*		
50	SS GW-16D-50	50/6"	0.6			Decreased gravel. 675 sand (mostly fine), 20% silt, 5% gravel (fine, sub-angular to sub-rounded).		50
55	SS	50/6"	0.1	SW		Medium brown-gray, damp to wet, SAND with gravel and trace silt. 75% sand (fine to coarse), 20% gravel (fine to coarse, sub-angular to sub-rounded), 5% silt.		55
60	SS	50/6"	0.1	SW SM		Increased silt and becomes moist. 75% sand (mostly fine to medium), 15% gravel, 10% silt.		60
65	SS	50/6"	0.1			Medium brown-gray, moist, SILTY SAND with gravel. 70% sand (mostly fine), 15% silt, 15% gravel (fine to coarse, sub-angular to sub-rounded).		65
70	SS	50/6"	0.1	SM			Colorado silica sand.	70
75	SS	50/6"	0.1	SP SM		Medium brown, moist, SAND with silt and gravel. 80% sand (fine to medium), 10% silt, 10% gravel (fine to medium, sub-angular to sub-rounded).	2-inch Sch 40 0.010 slotted PVC ▽	75
80	SS	50/6"	0.1	SP		Medium brown, wet, SAND with trace silt. 95% sand (fine), 5% silt.		80
85	SS GW-16D-85	50/6"	0.8			Bottom of hole at 85 feet	2-inch sch 40 end cap.	85

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Remarks: Ecology Well Tag ID: BKF-762

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-17S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/17/18 Ended 10/23/18 | Total Depth (ft) 50.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				GW		Asphalt	Flush mounted 8-inch diameter vault. 2-inch locking cap. Concrete surface seal	
						Gravel base (3/4"-)		
				SM		Light gray, SILTY SAND with gravel. 70% sand (fine to coarse), 30% silt, 10% gravel.		
5						No Recovery		5
10	SS	50/6"	0.3			Medium brown, slightly moist, SILTY SAND with some gravel. 80% sand (mostly fine to medium), 15% silt, 5% gravel (fine, sub-angular to sub-rounded).	Hydrated bentonite chips.	10
	SS GW-17S-12	50/6"	0.7					
15	SS GW-17S-15	50/6"	0.8	SM		Becomes dry to slightly moist, increased silt and gravel content. 70% sand (fine to medium), 20% silt, 10% gravel (fine to medium, sub-angular to sub-rounded). Possible slight hydrocarbon-like odor.	2-inch Sch 40 blank PVC.	15
20	SS GW-17S-20	50/6"	0.7			Medium brown, moist, SAND with silt and gravel. 80% sand (fine to medium), 10% silt, 10% gravel (fine to coarse, sub-angular to sub-rounded). No hydrocarbon-like odor.		20
25	SS	50/6"	0.7	SP		Increased silt content. 75% sand, 15% silt, 10% gravel.		25
30	SS	31 50/6"	1.1	SP SM		Medium brown with some orange-rust mottling, moist to damp, SILTY SAND with gravel. 70% sand, 15% silt, 15% gravel (fine to coarse, sub-angular to sub-rounded gravel).		30
35	SS GW-17S-35	50/6"	0.9	SM		Medium gray with some medium brown patches, moist to damp, SAND with silt and grael. 75% sand (mostly fine to medium), 10% silt, 15% gravel (fine to coarse, sub-angular to sub-rounded).	Colorado silica sand.	35
40	SS GW-17S-40	50/6"	0.5			Becomes moist. Increase coarse sand fraction.	2-inch Sch 40 0.010 slotted PVC	40
45	SS	50/6"	0.5	SP		Becomes damp		45
50	SS	50/6"	0.8	SM		Medium brown, moist to damp, SILTY SAND with gravel. 70% sand (mostly fine to medium), 15% silt, 15% gravel (fine to coarse, sub-angular to sub-rounded).	2-inch sch 40 end cap.	50
						Bottom of hole at 50.5 feet		

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Remarks: Ecology Well Tag ID: BKF-760

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-17D

SHEET 1 OF 2

Project AOC - 2063 Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company Drill Method Hollow Stem Auger Elevation (ft amsl) --

Prj. No. Z076000070 Drilling Started 10/12/18 Ended 10/24/18 Total Depth (ft) 86

Logged By A. Degefa/ L. Brown Drill Contractor Cascade Drilling Inc. Depth To Water (ft) ▽ ATD 80

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0				GW		Asphalt	Flush mounted 8-inch diameter vault. 2-inch locking cap.	0
						Gravel base (3/4"-)		
	GB GW-17D-3		0.7	SM		Light gray, SILTY SAND with gravel. 50% sand (mostly fine to medium), 30% silt, 20% gravel.	Concrete surface seal	
5						No recovery from 5 to 55 feet bgs.		5
10							Hydrated bentonite chips.	10
15							2-inch Sch 40 blank PVC.	15
20								20
25								25
30								30
35								35
40								40

(continued)

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Remarks: Ecology Well Tag ID: BKF-761

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-17D

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/12/18 Ended 10/24/18 | Total Depth (ft) 86

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 80

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
						No recovery from 5 to 55 feet bgs.*(continued)*		
55	SS	22 50/6"	0.2	SW SM		Medium brown, moist, SAND with silt and gravel. 70% sand (fine to coarse), 10% silt, 20% gravel (fine to coarse, sub-angular to sub-rounded).		55
60	SS	50/6"	0.3	GW		Medium brown, moist, SANDY GRAVEL with silt. 50% gravel (fine to coarse, sub-angular to sub-rounded), 40% sand (fine to coarse), 10% silt.		60
65	SS	50/6"	0.7	SM		Medium brown, moist, GRAVELLY SAND with silt. 60% sand (fine to coarse), 25% gravel (fine to coarse, sub-angular to sub-rounded), 15% silt.		65
70	SS GW-17D-70	36 50/6"	0.6			70% sand (mostly fine to medium), 15% silt, 15% gravel (fine to coarse sub-angular to sub-rounded)	◄Colorado silica sand.	70
75	SS GW-17D-75	50/6"	0.7			Medium brown, moist to damp, SAND with trace silt and gravel. 90% sand (mostly fine to medium), 5% silt, 5% gravel (fine to medium, sub-angular to sub-rounded).	◄2-inch Sch 40 0.010 slotted PVC	75
80	SS	40 50/6"	0.8	SP		Becomes wet. Grades, fining downward to mostly fine sand.	▽	80
85	SS GW-17D-85	37 50/6"	0.7			Fine sand.	◄2-inch sch 40 end cap.	85
						Bottom of hole at 86 feet		

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Remarks: Ecology Well Tag ID: BKF-761

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-18S

SHEET 1 OF 1

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/15/18 Ended 10/19/18 | Total Depth (ft) 50.5

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 45

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
				GW		Asphalt	Flush mounted 8-inch diameter vault.	
						Gravel base (3/4"-)	2-inch locking cap.	
				SM		Light gray, moist, SILTY SAND-GRAVEL. 40% sand, 40% gravel, 20% silt.	Concrete surface seal	
5	SS GW-18S-5.5	50/6"	0.0	SM		Medium brown, moist, SILTY SAND with trace gravel. 75% sand (mostly fine to medium), 20% silt, 5% gravel (fine to coarse, sub-rounded).		5
10	SS	50/6"	0.0			Becomes medium brown-gray, dry to slightly moist.	Hydrated bentonite chips.	10
15	SS GW-18S-15	50/6"	0.1	SP		Medium brown to gray, slightly moist, SAND with silt and trace gravel. 85% sand (mostly fine), 10% silt, 5% gravel (fine to medium, sub-rounded).	2-inch Sch 40 blank PVC.	15
20	SS	39 50/6"	0.0	SP SM		Medium gray-brown, slighly moist, interbeds of: SILTY SAND with gravel. 70% sand (mostly fine to medium), 20% silt, 10% gravel (fine to coarse, sub angular to sub-rounded) and SAND with silt and gravel. 80% sand (mostly medium), 10% gravel (fine to coarse, sub-rounded), 10% silt.		20
25	SS	36 50/6"	0.0	SM		Medium brown, moist, SILTY SAND with gravel. 70% sand (mostly fine to medium), 15% gravel (fine to coarse, sub-rounded), 15% silt.		25
30	SS GW-18S-30	39 50/6"	0.0			Increased silt / decreased gravel. 70% sand (mostly fine), 20% silt, 10% gravel (fine to coarse, sub-rounded)		30
35	SS	50/6"	0.0	SW SM		Increased gravel / decreased silt. 70% sand (fine to coarse), 20% gravel (fine to coarse, sub-rounded), 10% silt.	Colorado silica sand.	35
40	SS	50/6"	0.0			Becomes damp to wet. Slight decrease in silt.	2-inch Sch 40 0.010 slotted PVC	40
45	SS GW-18S-45	50/6"	46.2	SW		Medium blue-gray (stained), wet, SAND with gravel and trace silt. 70% sand (fine to coarse), 20% gravel (fine to coarse, sub-rounded), 5% silt. Moderate hydrocaron-like odor, no sheen.	▽	45
50	SS GW-18S-50	50/6"	0.1	SM		Medium brown-gray, dry to slightly moist, SILTY SAND with gravel. 65% sand (mostly fine to medium), 20% silt, 15% gravel (fine to coarse, sub-angular to sub-rounded). Trace hydrocarbon-like odor, no staining, no sheen.	2-inch sch 40 end cap.	50
						Bottom of hole at 50.5 feet		

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Remarks: Ecology Well Tag ID: BKF-758

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

LOG OF GW-18D

SHEET 1 OF 2

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/15/18 Ended 10/22/18 | Total Depth (ft) 81

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 75

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
0	GB GW-18D-3		1.2	GW SM		0.3 Asphalt Gravel base (3/4"-) Light gray, moist, SILTY SAND with gravel. 50% sand, 40% silt, 10% gravel.	Flush mounted 8-inch diameter vault. 2-inch locking cap. Concrete surface seal	0
5						No recovery from 5 to 55 feet bgs.		5
10							Hydrated bentonite chips.	10
15							2-inch Sch 40 blank PVC.	15
20								20
25								25
30								30
35								35
40								40

(continued)

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Remarks: Ecology Well Tag ID: BKF-759

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LOG OF GW-18D

Project AOC - 2063 | Location 12660 First Avenue South, Burien, WA

Client Phillips 66 Company | Drill Method Hollow Stem Auger | Elevation (ft amsl) --

Prj. No. Z076000070 | Drilling Started 10/15/18 Ended 10/22/18 | Total Depth (ft) 81

Logged By A. Degefa/ L. Brown | Drill Contractor Cascade Drilling Inc. | Depth To Water (ft) ▽ ATD 75

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	COMPLETION DETAILS	DEPTH FEET
						No recovery from 5 to 55 feet bgs.*(continued)*		
55	SS	50/6"	0.0	SM		Medium brown-gray, moist, SILTY SAND with gravel. 70% sand (mostly fine to medium), 20% silt, 10% gravel (fine to coarse, sub rounded). Trace hydrocarbon-like odor, possible staining, no sheen.		55
60	SS	50/6"	0.2			Medium brown becoming medium blue-gray with depth, moist. 75% sand (mostly fine to medium), 15% silt, 10% gravel (fine to coarse, sub-rouded). Trace hydrocarbon-like odor, possible staining, no sheen.		60
65	SS	50/6"	1.4	SW		Medium brown-gray, very damp to wet, SAND with gravel and trace silt. 75% sand (fine to coarse), 20% gravel (fine to coarse, sub-rounded), 5% silt. No hydrocarbon-like odor, no staining, no sheen.	Colorado silica sand.	65
70	SS GW-18D-70	41 50/6"	1.6	SM		Medium brown-gray, damp, SILTY SAND with some zones of fine to medium sand with silt. 70% sand (mostly fine to medium), 20% silt, 10% gravel (fine to medium).	2-inch Sch 40 0.010 slotted PVC	70
75	SS GW-18D-75	39 50/6"	1.0	SW		Medium brown, wet, gravelly sand with trace silt. 65% sand (fine to coarse), 30% gravel (fine to coarse, sub-angular to sub-rounded), 5% silt.	▽	75
80	SS	42 50/6"	0.6	SP		Medium brown, wet, SAND with gravel and trace silt. 85% sand (mostly fine to medium), 10% gravel (fine to coarse sub-angular to sub-rounded), 5% silt.	2-inch sch 40 end cap.	80
85						Bottom of hole at 81 feet		85

ATC
6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Ecology Well Tag ID: BKF-759

See key sheet for symbols and abbreviations used above.

LOG A EWNN76 P-66 BURIEN_2018 LOGS.GPJ LOG A EWNN05.GDT 1/28/19

APPENDIX E
LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 18, 2018

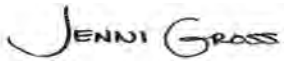
Elisabeth Silver
ATC Group Services LLC
6347 Seaview Ave NW
Seattle, WA 98107

RE: Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Laurence Brown, ATC Group Services LLC

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10451630001	**MW-13D-5**	Solid	10/08/18 12:45	10/13/18 09:40
10451630002	**MW-13S-5**	Solid	10/09/18 11:50	10/13/18 09:40
10451630003	**MW-15D-3**	Solid	10/10/18 10:20	10/13/18 09:40
10451630004	**MW-16D-3**	Solid	10/11/18 10:28	10/13/18 09:40
10451630005	**MW-13S-20**	Solid	10/11/18 10:30	10/13/18 09:40
10451630006	**MW-13S-40**	Solid	10/11/18 11:00	10/13/18 09:40
10451630007	**MW-13S-50**	Solid	10/11/18 11:50	10/13/18 09:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10451630002	**MW-13S-5**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M
10451630003	**MW-15D-3**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M
10451630004	**MW-16D-3**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M
10451630005	**MW-13S-20**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M
10451630006	**MW-13S-40**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M
10451630007	**MW-13S-50**	NWTPH-Dx	JVM	4	PASI-M
		NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	AH2	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-13S-5 **Lab ID: 10451630002** Collected: 10/09/18 11:50 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<2.7**	mg/kg	16.4	2.7	1	10/15/18 10:59	10/16/18 12:00	68334-30-5	
Motor Oil Range	**<4.7**	mg/kg	10.9	4.7	1	10/15/18 10:59	10/16/18 12:00		
Surrogates									
n-Triacontane (S)	94	%.	50-150		1	10/15/18 10:59	10/16/18 12:00	638-68-6	
o-Terphenyl (S)	93	%.	50-150		1	10/15/18 10:59	10/16/18 12:00	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.74**	mg/kg	5.7	0.74	1	10/17/18 09:45	10/17/18 12:30		
Surrogates									
a,a,a-Trifluorotoluene (S)	75	%.	50-150		1	10/17/18 09:45	10/17/18 12:30	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.4**	mg/kg	0.51	0.11	1	10/16/18 17:26	10/17/18 17:43	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**9.6**	%	0.10	0.10	1		10/16/18 14:13		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.3**	ug/kg	23.1	3.3	1	10/17/18 15:20	10/17/18 19:15	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	57.8	3.1	1	10/17/18 15:20	10/17/18 19:15	100-41-4	
Toluene	**<14.1**	ug/kg	57.8	14.1	1	10/17/18 15:20	10/17/18 19:15	108-88-3	
Xylene (Total)	**<13.4**	ug/kg	173	13.4	1	10/17/18 15:20	10/17/18 19:15	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	75-125		1	10/17/18 15:20	10/17/18 19:15	17060-07-0	
Toluene-d8 (S)	94	%.	75-125		1	10/17/18 15:20	10/17/18 19:15	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		1	10/17/18 15:20	10/17/18 19:15	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-15D-3 **Lab ID: 10451630003** Collected: 10/10/18 10:20 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<3.0**	mg/kg	18.3	3.0	1	10/15/18 10:59	10/16/18 12:12	68334-30-5	
Motor Oil Range	**<5.3**	mg/kg	12.2	5.3	1	10/15/18 10:59	10/16/18 12:12		
Surrogates									
n-Triacontane (S)	96	%.	50-150		1	10/15/18 10:59	10/16/18 12:12	638-68-6	
o-Terphenyl (S)	96	%.	50-150		1	10/15/18 10:59	10/16/18 12:12	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.80**	mg/kg	6.1	0.80	1	10/17/18 09:45	10/17/18 12:47		
Surrogates									
a,a,a-Trifluorotoluene (S)	89	%.	50-150		1	10/17/18 09:45	10/17/18 12:47	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.8**	mg/kg	0.58	0.13	1	10/16/18 17:26	10/17/18 17:45	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**18.6**	%	0.10	0.10	1		10/16/18 14:13		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.4**	ug/kg	23.8	3.4	1	10/17/18 15:20	10/17/18 23:30	71-43-2	
Ethylbenzene	**<3.2**	ug/kg	59.4	3.2	1	10/17/18 15:20	10/17/18 23:30	100-41-4	
Toluene	**<14.5**	ug/kg	59.4	14.5	1	10/17/18 15:20	10/17/18 23:30	108-88-3	
Xylene (Total)	**<13.8**	ug/kg	178	13.8	1	10/17/18 15:20	10/17/18 23:30	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	75-125		1	10/17/18 15:20	10/17/18 23:30	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1	10/17/18 15:20	10/17/18 23:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		1	10/17/18 15:20	10/17/18 23:30	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-16D-3 **Lab ID: 10451630004** Collected: 10/11/18 10:28 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<2.7**	mg/kg	16.6	2.7	1	10/15/18 10:59	10/16/18 12:23	68334-30-5	
Motor Oil Range	**<4.8**	mg/kg	11.0	4.8	1	10/15/18 10:59	10/16/18 12:23		
Surrogates									
n-Triacontane (S)	90	%.	50-150		1	10/15/18 10:59	10/16/18 12:23	638-68-6	
o-Terphenyl (S)	90	%.	50-150		1	10/15/18 10:59	10/16/18 12:23	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.72**	mg/kg	5.5	0.72	1	10/17/18 09:45	10/17/18 13:04		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	50-150		1	10/17/18 09:45	10/17/18 13:04	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**2.0**	mg/kg	0.51	0.12	1	10/16/18 17:26	10/17/18 17:48	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**9.9**	%	0.10	0.10	1		10/16/18 14:13		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	21.7	3.1	1	10/17/18 15:20	10/17/18 23:47	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	54.1	2.9	1	10/17/18 15:20	10/17/18 23:47	100-41-4	
Toluene	**<13.2**	ug/kg	54.1	13.2	1	10/17/18 15:20	10/17/18 23:47	108-88-3	
Xylene (Total)	**<12.6**	ug/kg	162	12.6	1	10/17/18 15:20	10/17/18 23:47	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	89	%.	75-125		1	10/17/18 15:20	10/17/18 23:47	17060-07-0	
Toluene-d8 (S)	94	%.	75-125		1	10/17/18 15:20	10/17/18 23:47	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125		1	10/17/18 15:20	10/17/18 23:47	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-13S-20 **Lab ID: 10451630005** Collected: 10/11/18 10:30 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<2.6**	mg/kg	16.1	2.6	1	10/15/18 10:59	10/16/18 12:35	68334-30-5	
Motor Oil Range	**<4.7**	mg/kg	10.7	4.7	1	10/15/18 10:59	10/16/18 12:35		
Surrogates									
n-Triacontane (S)	98	%.	50-150		1	10/15/18 10:59	10/16/18 12:35	638-68-6	
o-Terphenyl (S)	99	%.	50-150		1	10/15/18 10:59	10/16/18 12:35	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	10/17/18 09:45	10/17/18 13:55		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	50-150		1	10/17/18 09:45	10/17/18 13:55	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.54	0.12	1	10/16/18 17:26	10/17/18 17:57	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.2**	%	0.10	0.10	1		10/16/18 14:13		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.4	3.0	1	10/17/18 15:20	10/18/18 00:04	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	53.4	2.9	1	10/17/18 15:20	10/18/18 00:04	100-41-4	
Toluene	**<13.0**	ug/kg	53.4	13.0	1	10/17/18 15:20	10/18/18 00:04	108-88-3	
Xylene (Total)	**<12.4**	ug/kg	160	12.4	1	10/17/18 15:20	10/18/18 00:04	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	75-125		1	10/17/18 15:20	10/18/18 00:04	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1	10/17/18 15:20	10/18/18 00:04	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125		1	10/17/18 15:20	10/18/18 00:04	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-13S-40 **Lab ID: 10451630006** Collected: 10/11/18 11:00 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<2.6**	mg/kg	16.1	2.6	1	10/15/18 10:59	10/16/18 12:46	68334-30-5	
Motor Oil Range	**<4.7**	mg/kg	10.8	4.7	1	10/15/18 10:59	10/16/18 12:46		
Surrogates									
n-Triacontane (S)	101	%.	50-150		1	10/15/18 10:59	10/16/18 12:46	638-68-6	
o-Terphenyl (S)	97	%.	50-150		1	10/15/18 10:59	10/16/18 12:46	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.70**	mg/kg	5.3	0.70	1	10/17/18 09:45	10/17/18 14:12		
Surrogates									
a,a,a-Trifluorotoluene (S)	81	%.	50-150		1	10/17/18 09:45	10/17/18 14:12	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.53	0.12	1	10/16/18 17:26	10/17/18 18:00	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.3**	%	0.10	0.10	1		10/16/18 14:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.6	3.0	1	10/17/18 15:20	10/17/18 19:32	71-43-2	
Ethylbenzene	**9.3J**	ug/kg	53.9	2.9	1	10/17/18 15:20	10/17/18 19:32	100-41-4	
Toluene	**<13.1**	ug/kg	53.9	13.1	1	10/17/18 15:20	10/17/18 19:32	108-88-3	
Xylene (Total)	**<12.5**	ug/kg	162	12.5	1	10/17/18 15:20	10/17/18 19:32	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	75-125		1	10/17/18 15:20	10/17/18 19:32	17060-07-0	
Toluene-d8 (S)	95	%.	75-125		1	10/17/18 15:20	10/17/18 19:32	2037-26-5	
4-Bromofluorobenzene (S)	91	%.	75-125		1	10/17/18 15:20	10/17/18 19:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Sample: MW-13S-50 **Lab ID: 10451630007** Collected: 10/11/18 11:50 Received: 10/13/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS	Analytical Method: NWTPH-Dx Preparation Method: EPA 3550								
Diesel Fuel Range	**<2.6**	mg/kg	16.3	2.6	1	10/15/18 10:59	10/16/18 12:57	68334-30-5	
Motor Oil Range	**<4.7**	mg/kg	10.8	4.7	1	10/15/18 10:59	10/16/18 12:57		
Surrogates									
n-Triacontane (S)	95	%.	50-150		1	10/15/18 10:59	10/16/18 12:57	638-68-6	
o-Terphenyl (S)	95	%.	50-150		1	10/15/18 10:59	10/16/18 12:57	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.74**	mg/kg	5.7	0.74	1	10/17/18 09:45	10/17/18 14:46		
Surrogates									
a,a,a-Trifluorotoluene (S)	80	%.	50-150		1	10/17/18 09:45	10/17/18 14:46	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.53	0.12	1	10/16/18 17:26	10/17/18 18:03	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.3**	%	0.10	0.10	1		10/16/18 14:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	21.7	3.1	1	10/17/18 15:20	10/17/18 19:49	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	54.2	2.9	1	10/17/18 15:20	10/17/18 19:49	100-41-4	
Toluene	**<13.2**	ug/kg	54.2	13.2	1	10/17/18 15:20	10/17/18 19:49	108-88-3	
Xylene (Total)	**<12.6**	ug/kg	163	12.6	1	10/17/18 15:20	10/17/18 19:49	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%.	75-125		1	10/17/18 15:20	10/17/18 19:49	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1	10/17/18 15:20	10/17/18 19:49	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125		1	10/17/18 15:20	10/17/18 19:49	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

QC Batch: 569716 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

METHOD BLANK: 3091585 Matrix: Solid
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	10/17/18 10:49	
a,a,a-Trifluorotoluene (S)	%.	79	50-150		10/17/18 10:49	

LABORATORY CONTROL SAMPLE & LCSD: 3091586 3091587

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	44.8	44.1	90	88	54-125	2	20	
a,a,a-Trifluorotoluene (S)	%.				84	84	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3091684 3091685

Parameter	Units	10451630005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	<0.71	55.3	56.8	58.2	56.9	105	100	70-130	2	30	
a,a,a-Trifluorotoluene (S)	%.						86	81	50-150			

SAMPLE DUPLICATE: 3091686

Parameter	Units	10451630006 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.70	<0.72		30	
a,a,a-Trifluorotoluene (S)	%.	81	79	1		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

QC Batch: 569114 Analysis Method: EPA 6010D
QC Batch Method: EPA 3050 Analysis Description: 6010D Solids
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

METHOD BLANK: 3088547 Matrix: Solid
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.11	0.50	0.11	10/17/18 16:37	

LABORATORY CONTROL SAMPLE: 3088548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	49	47.5	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3088549 3088550

Parameter	Units	10451528001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	77.2	58.1	57.5	135	123	99	79	75-125	9	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

QC Batch: 569506 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

SAMPLE DUPLICATE: 3090296

Parameter	Units	10450383013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	29.3	29.2	0	30	

SAMPLE DUPLICATE: 3090377

Parameter	Units	10451630006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	7.4	2	30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

QC Batch: 569722 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

METHOD BLANK: 3091606 Matrix: Solid
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/17/18 18:58	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/17/18 18:58	
Toluene	ug/kg	<12.2	50.0	12.2	10/17/18 18:58	
Xylene (Total)	ug/kg	<11.6	150	11.6	10/17/18 18:58	
1,2-Dichloroethane-d4 (S)	%.	91	75-125		10/17/18 18:58	
4-Bromofluorobenzene (S)	%.	95	75-125		10/17/18 18:58	
Toluene-d8 (S)	%.	95	75-125		10/17/18 18:58	

LABORATORY CONTROL SAMPLE: 3091607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	773	77	61-125	
Ethylbenzene	ug/kg	1000	741	74	62-125	
Toluene	ug/kg	1000	751	75	61-125	
Xylene (Total)	ug/kg	3000	2290	76	62-125	
1,2-Dichloroethane-d4 (S)	%.			94	75-125	
4-Bromofluorobenzene (S)	%.			98	75-125	
Toluene-d8 (S)	%.			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3091608 3091609

Parameter	Units	10451630002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<3.3	1060	1090	1250	1260	118	115	65-135	1	30	
Ethylbenzene	ug/kg	<3.1	1060	1090	1210	1260	115	116	72-138	4	30	
Toluene	ug/kg	<14.1	1060	1090	1240	1280	117	117	65-142	3	30	
Xylene (Total)	ug/kg	<13.4	3170	3270	3720	3850	117	117	75-140	3	30	
1,2-Dichloroethane-d4 (S)	%.						94	94	75-125			
4-Bromofluorobenzene (S)	%.						96	97	75-125			
Toluene-d8 (S)	%.						95	96	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

QC Batch: 569243 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3550 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

METHOD BLANK: 3089002 Matrix: Solid
Associated Lab Samples: 10451630002, 10451630003, 10451630004, 10451630005, 10451630006, 10451630007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Diesel Fuel Range	mg/kg	<2.4	15.0	2.4	10/16/18 10:40	
Motor Oil Range	mg/kg	<4.3	10.0	4.3	10/16/18 10:40	
n-Triacontane (S)	%.	97	50-150		10/16/18 10:40	
o-Terphenyl (S)	%.	101	50-150		10/16/18 10:40	

LABORATORY CONTROL SAMPLE: 3089003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Fuel Range	mg/kg	50	47.0	94	50-150	
Motor Oil Range	mg/kg	50	46.5	93	50-150	
n-Triacontane (S)	%.			99	50-150	
o-Terphenyl (S)	%.			93	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3089004 3089005

Parameter	Units	92402606001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Fuel Range	mg/kg	ND	49.8	49.3	47.9	48.1	95	96	50-150	0	30	
Motor Oil Range	mg/kg	ND	49.8	49.3	47.4	48.1	95	98	50-150	1	30	
n-Triacontane (S)	%.						99	100	50-150			
o-Terphenyl (S)	%.						96	98	50-150			

SAMPLE DUPLICATE: 3089006

Parameter	Units	10451630007 Result	Dup Result	RPD	Max RPD	Qualifiers
Diesel Fuel Range	mg/kg	<2.6	<2.6		30	
Motor Oil Range	mg/kg	<4.7	<4.7		30	
n-Triacontane (S)	%.	95	102	8		
o-Terphenyl (S)	%.	95	98	4		

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QUALIFIERS

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10451630

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10451630002	**MW-13S-5**	EPA 3550	569243	NWTPH-Dx	569451
10451630003	**MW-15D-3**	EPA 3550	569243	NWTPH-Dx	569451
10451630004	**MW-16D-3**	EPA 3550	569243	NWTPH-Dx	569451
10451630005	**MW-13S-20**	EPA 3550	569243	NWTPH-Dx	569451
10451630006	**MW-13S-40**	EPA 3550	569243	NWTPH-Dx	569451
10451630007	**MW-13S-50**	EPA 3550	569243	NWTPH-Dx	569451
10451630002	**MW-13S-5**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630003	**MW-15D-3**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630004	**MW-16D-3**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630005	**MW-13S-20**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630006	**MW-13S-40**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630007	**MW-13S-50**	NWTPH-Gx	569716	NWTPH-Gx	569755
10451630002	**MW-13S-5**	EPA 3050	569114	EPA 6010D	569764
10451630003	**MW-15D-3**	EPA 3050	569114	EPA 6010D	569764
10451630004	**MW-16D-3**	EPA 3050	569114	EPA 6010D	569764
10451630005	**MW-13S-20**	EPA 3050	569114	EPA 6010D	569764
10451630006	**MW-13S-40**	EPA 3050	569114	EPA 6010D	569764
10451630007	**MW-13S-50**	EPA 3050	569114	EPA 6010D	569764
10451630002	**MW-13S-5**	ASTM D2974	569506		
10451630003	**MW-15D-3**	ASTM D2974	569506		
10451630004	**MW-16D-3**	ASTM D2974	569506		
10451630005	**MW-13S-20**	ASTM D2974	569506		
10451630006	**MW-13S-40**	ASTM D2974	569506		
10451630007	**MW-13S-50**	ASTM D2974	569506		
10451630002	**MW-13S-5**	EPA 5035/5030B	569722	EPA 8260B	570125
10451630003	**MW-15D-3**	EPA 5035/5030B	569722	EPA 8260B	570125
10451630004	**MW-16D-3**	EPA 5035/5030B	569722	EPA 8260B	570125
10451630005	**MW-13S-20**	EPA 5035/5030B	569722	EPA 8260B	570125
10451630006	**MW-13S-40**	EPA 5035/5030B	569722	EPA 8260B	570125
10451630007	**MW-13S-50**	EPA 5035/5030B	569722	EPA 8260B	570125

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CHAIN-OF-CUSTODY / Analytical Request Document

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

2297332

Section A Required Client Information:

Company: ATC
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: 3-Day TAT

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Brown 2 lawrence.brown@atcgs.com
Purchase Order No.:
Project Name: PGB - Burien
Project Number: 20760000070

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

WO#: 10451630

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NWTPH-Gx	NWTPH-Dx	BTEX by 8260B	Total Lead 6010/7000	Resid	Pace Project No./ Lab I.D.
1	MW-13D-5	SL	G			10/8/18	1245		4	1						3							01
2	MW-13S-5					10/9/18	1150		5	1						4		X	X	X	X		02
3	MW-15D-3					10/10/18	1020		5	1						4		X	X	X	X		03
4	MW-16D-3					10/11/18	1028		5	1						4		X	X	X	X		04
5	MW-13S-20					10/11/18	1030		5	1						4		X	X	X	X		05
6	MW-13S-40					10/11/18	1100		5	1						4		X	X	X	X		06
7	MW-13S-50					10/11/18	1150		5	1						4		X	X	X	X		07
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Larry Brown / ATC	10/12/18	1020	B. Galos / ATC PHL	10/12/18	1023	
	B. Gantet / ATC PHL	10/12/18	1225		10/12/18	1225	→ Y N Y
		10-12-18	1700		10.13.18	9:40	5.3 Y Y Y

SAMPLER NAME AND SIGNATURE	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Larry Brown				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10/12/2018			

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 02May2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.23**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC

Project #: WO#: 10451630

PM: JMG Due Date: 10/18/18

CLIENT: P66_CarWA

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] SpeeDee [ ] Other:

Tracking Number: 4486 7787 1659

Custody Seal on Cooler/Box Present? [X] Yes [ ] No **Seals Intact?** [X] Yes [ ] No

Optional: Proj. Due Date: Proj. Name:

Packing Material: [X] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other: **Temp Blank?** [X] Yes [ ] No

Thermometer Used: [X] G87A9170600254 [ ] G87A9155100842

Type of Ice: [X] Wet [ ] Blue [ ] None [ ] Dry [ ] Melted

Cooler Temp Read (°C): 5.1 **Cooler Temp Corrected (°C):** 5.3 **Biological Tissue Frozen?** [ ] Yes [ ] No [X] N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** CLT 10-13-18

USDA Regulated Soil ([ ] N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? [ ] Yes [X] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [X] No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	[X] Yes	[ ] No		1.
Chain of Custody Filled Out?	[X] Yes	[ ] No		2.
Chain of Custody Relinquished?	[X] Yes	[ ] No		3.
Sampler Name and/or Signature on COC?	[X] Yes	[ ] No	[ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes	[ ] No		5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No		6.
Rush Turn Around Time Requested?	[X] Yes	[ ] No		7.
Sufficient Volume?	[X] Yes	[ ] No		8.
Correct Containers Used?	[X] Yes	[ ] No		9.
-Pace Containers Used?	[X] Yes	[ ] No		
Containers Intact?	[X] Yes	[ ] No		10.
Filtered Volume Received for Dissolved Tests?	[ ] Yes	[ ] No	[X] N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	[X] Yes	[ ] No		12.
All containers needing acid/base preservation have been checked?	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO_3 [ ] H_2SO_4 [ ] NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	[ ] Yes	[ ] No	[X] N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	[ ] Yes	[ ] No	[X] N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	[ ] Yes	[ ] No	[X] N/A	14.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	15.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: JENNI GROSS **Date:** 10/15/18

Note: Whenever there is a discrepancy affecting North (ıples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect cont

Pace Analytical Services, LLC
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(612)607-1700

October 25, 2018

Elisabeth Silver
ATC Group Services LLC
6347 Seaview Ave NW
Seattle, WA 98107

RE: Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Laurence Brown, ATC Group Services LLC

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CERTIFICATIONS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452531001	**GW-13D-60**	Solid	10/12/18 11:35	10/20/18 09:00
10452531002	**GW-13D-85**	Solid	10/12/18 13:30	10/20/18 09:00
10452531003	**GW-17D-3**	Solid	10/12/18 14:25	10/20/18 09:00
10452531004	**GW-15S-40**	Solid	10/15/18 10:30	10/20/18 09:00
10452531005	**GW-14D-3**	Solid	10/16/18 10:25	10/20/18 09:00
10452531006	**GW-15D-70**	Solid	10/16/18 12:15	10/20/18 09:00
10452531007	**GW-14S-20**	Solid	10/17/18 10:00	10/20/18 09:00
10452531008	**GW-8S-5**	Solid	10/17/18 12:25	10/20/18 09:00
10452531009	**GW-8S-3**	Solid	10/17/18 10:20	10/20/18 09:00
10452531010	**GW-10S-3**	Solid	10/16/18 15:35	10/20/18 09:00
10452531011	**GW-15S-11**	Solid	10/15/18 09:30	10/20/18 09:00
10452531012	**GW-15S-15**	Solid	10/15/18 09:35	10/20/18 09:00
10452531013	**GW-15S-20**	Solid	10/15/18 09:45	10/20/18 09:00
10452531014	**GW-15S-25**	Solid	10/15/18 09:55	10/20/18 09:00
10452531015	**GW-15S-30**	Solid	10/15/18 10:05	10/20/18 09:00
10452531016	**GW-15S-35**	Solid	10/15/18 10:20	10/20/18 09:00
10452531017	**GW-15S-45**	Solid	10/15/18 10:40	10/20/18 09:00
10452531018	**GW-15D-60**	Solid	10/16/18 11:20	10/20/18 09:00
10452531019	**GW-18D-3**	Solid	10/15/18 10:15	10/20/18 09:00

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10452531001	**GW-13D-60**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531002	**GW-13D-85**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531003	**GW-17D-3**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531004	**GW-15S-40**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531005	**GW-14D-3**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531006	**GW-15D-70**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531007	**GW-14S-20**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10452531008	**GW-8S-5**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-13D-60 **Lab ID: 10452531001** Collected: 10/12/18 11:35 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.93**	mg/kg	7.1	0.93	1	10/23/18 13:32	10/23/18 16:28		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	73	%.	50-150		1	10/23/18 13:32	10/23/18 16:28	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**3.7**	mg/kg	1.1	0.26	2	10/23/18 05:17	10/24/18 09:52	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**12.1**	%	0.10	0.10	1		10/24/18 15:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**533**	ug/kg	24.6	3.5	1	10/22/18 16:42	10/23/18 03:25	71-43-2	
Ethylbenzene	**<3.3**	ug/kg	61.4	3.3	1	10/22/18 16:42	10/23/18 03:25	100-41-4	
Toluene	**<15.0**	ug/kg	61.4	15.0	1	10/22/18 16:42	10/23/18 03:25	108-88-3	
Xylene (Total)	**<14.2**	ug/kg	737	14.2	1	10/22/18 16:42	10/23/18 03:25	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%.	75-125		1	10/22/18 16:42	10/23/18 03:25	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1	10/22/18 16:42	10/23/18 03:25	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125		1	10/22/18 16:42	10/23/18 03:25	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-13D-85 **Lab ID: 10452531002** Collected: 10/12/18 13:30 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.79**	mg/kg	6.0	0.79	1	10/23/18 13:32	10/23/18 16:45		
Surrogates									
a,a,a-Trifluorotoluene (S)	74	%.	50-150		1	10/23/18 13:32	10/23/18 16:45	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.56	0.13	1	10/23/18 05:17	10/23/18 16:12	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**14.7**	%	0.10	0.10	1		10/24/18 15:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.7	3.2	1	10/22/18 16:42	10/23/18 03:46	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	56.7	3.1	1	10/22/18 16:42	10/23/18 03:46	100-41-4	
Toluene	**<13.8**	ug/kg	56.7	13.8	1	10/22/18 16:42	10/23/18 03:46	108-88-3	
Xylene (Total)	**<13.1**	ug/kg	680	13.1	1	10/22/18 16:42	10/23/18 03:46	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	113	%.	75-125		1	10/22/18 16:42	10/23/18 03:46	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1	10/22/18 16:42	10/23/18 03:46	2037-26-5	
4-Bromofluorobenzene (S)	110	%.	75-125		1	10/22/18 16:42	10/23/18 03:46	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-17D-3 **Lab ID: 10452531003** Collected: 10/12/18 14:25 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.69**	mg/kg	5.3	0.69	1	10/23/18 13:32	10/23/18 17:02		
Surrogates									
a,a,a-Trifluorotoluene (S)	76	%.	50-150		1	10/23/18 13:32	10/23/18 17:02	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.6**	mg/kg	0.50	0.11	1	10/23/18 05:17	10/23/18 16:15	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.8**	%	0.10	0.10	1		10/24/18 15:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	22.2	3.1	1	10/22/18 16:42	10/23/18 04:07	71-43-2	
Ethylbenzene	**<3.0**	ug/kg	55.5	3.0	1	10/22/18 16:42	10/23/18 04:07	100-41-4	
Toluene	**<13.5**	ug/kg	55.5	13.5	1	10/22/18 16:42	10/23/18 04:07	108-88-3	
Xylene (Total)	**<12.9**	ug/kg	666	12.9	1	10/22/18 16:42	10/23/18 04:07	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	75-125		1	10/22/18 16:42	10/23/18 04:07	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1	10/22/18 16:42	10/23/18 04:07	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1	10/22/18 16:42	10/23/18 04:07	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-15S-40 **Lab ID: 10452531004** Collected: 10/15/18 10:30 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**1.4J**	mg/kg	5.1	0.67	1	10/23/18 13:32	10/23/18 17:19		
Surrogates									
a,a,a-Trifluorotoluene (S)	79	%.	50-150		1	10/23/18 13:32	10/23/18 17:19	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.49	0.11	1	10/23/18 05:17	10/23/18 16:18	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.1**	%	0.10	0.10	1		10/24/18 15:14		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<2.9**	ug/kg	20.3	2.9	1	10/22/18 16:42	10/23/18 04:28	71-43-2	
Ethylbenzene	**35.8J**	ug/kg	50.7	2.8	1	10/22/18 16:42	10/23/18 04:28	100-41-4	
Toluene	**<12.4**	ug/kg	50.7	12.4	1	10/22/18 16:42	10/23/18 04:28	108-88-3	
Xylene (Total)	**<11.8**	ug/kg	609	11.8	1	10/22/18 16:42	10/23/18 04:28	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	75-125		1	10/22/18 16:42	10/23/18 04:28	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/22/18 16:42	10/23/18 04:28	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1	10/22/18 16:42	10/23/18 04:28	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-14D-3 **Lab ID: 10452531005** Collected: 10/16/18 10:25 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	10/23/18 13:32	10/23/18 18:10		
Surrogates									
a,a,a-Trifluorotoluene (S)	78	%.	50-150		1	10/23/18 13:32	10/23/18 18:10	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.6**	mg/kg	0.53	0.12	1	10/23/18 05:17	10/23/18 16:21	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.7**	%	0.10	0.10	1		10/24/18 15:15		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.1	3.0	1	10/23/18 13:01	10/23/18 23:26	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	52.8	2.9	1	10/23/18 13:01	10/23/18 23:26	100-41-4	
Toluene	**<12.9**	ug/kg	52.8	12.9	1	10/23/18 13:01	10/23/18 23:26	108-88-3	
Xylene (Total)	**<12.3**	ug/kg	159	12.3	1	10/23/18 13:01	10/23/18 23:26	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%.	75-125		1	10/23/18 13:01	10/23/18 23:26	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	10/23/18 13:01	10/23/18 23:26	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125		1	10/23/18 13:01	10/23/18 23:26	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-15D-70 **Lab ID: 10452531006** Collected: 10/16/18 12:15 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.76**	mg/kg	5.8	0.76	1	10/23/18 13:32	10/23/18 18:44		
Surrogates									
a,a,a-Trifluorotoluene (S)	74	%.	50-150		1	10/23/18 13:32	10/23/18 18:44	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.4**	mg/kg	0.55	0.13	1	10/23/18 05:17	10/23/18 16:24	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**12.5**	%	0.10	0.10	1		10/24/18 15:15		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.4**	ug/kg	23.8	3.4	1	10/23/18 13:01	10/23/18 23:43	71-43-2	
Ethylbenzene	**<3.2**	ug/kg	59.4	3.2	1	10/23/18 13:01	10/23/18 23:43	100-41-4	
Toluene	**<14.5**	ug/kg	59.4	14.5	1	10/23/18 13:01	10/23/18 23:43	108-88-3	
Xylene (Total)	**<13.8**	ug/kg	178	13.8	1	10/23/18 13:01	10/23/18 23:43	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%.	75-125		1	10/23/18 13:01	10/23/18 23:43	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/23/18 13:01	10/23/18 23:43	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125		1	10/23/18 13:01	10/23/18 23:43	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-14S-20 **Lab ID: 10452531007** Collected: 10/17/18 10:00 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**3.8J**	mg/kg	5.5	0.72	1	10/23/18 13:32	10/23/18 19:01		C0
Surrogates									
a,a,a-Trifluorotoluene (S)	78	%.	50-150		1	10/23/18 13:32	10/23/18 19:01	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.51	0.12	1	10/23/18 05:17	10/23/18 16:27	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.3**	%	0.10	0.10	1		10/24/18 15:15		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	21.9	3.1	1	10/23/18 13:01	10/24/18 00:00	71-43-2	
Ethylbenzene	**206**	ug/kg	54.8	3.0	1	10/23/18 13:01	10/24/18 00:00	100-41-4	
Toluene	**<13.4**	ug/kg	54.8	13.4	1	10/23/18 13:01	10/24/18 00:00	108-88-3	
Xylene (Total)	**1290**	ug/kg	165	12.7	1	10/23/18 13:01	10/24/18 00:00	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	87	%.	75-125		1	10/23/18 13:01	10/24/18 00:00	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/23/18 13:01	10/24/18 00:00	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	75-125		1	10/23/18 13:01	10/24/18 00:00	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Sample: GW-8S-5 **Lab ID: 10452531008** Collected: 10/17/18 12:25 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.78**	mg/kg	5.9	0.78	1	10/23/18 13:32	10/24/18 12:41		
Surrogates									
a,a,a-Trifluorotoluene (S)	84	%.	50-150		1	10/23/18 13:32	10/24/18 12:41	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.6**	mg/kg	0.53	0.12	1	10/23/18 05:17	10/23/18 16:29	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.1**	%	0.10	0.10	1		10/24/18 15:15		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.3**	ug/kg	23.3	3.3	1	10/23/18 13:01	10/24/18 00:17	71-43-2	
Ethylbenzene	**<3.2**	ug/kg	58.4	3.2	1	10/23/18 13:01	10/24/18 00:17	100-41-4	
Toluene	**<14.2**	ug/kg	58.4	14.2	1	10/23/18 13:01	10/24/18 00:17	108-88-3	
Xylene (Total)	**<13.5**	ug/kg	175	13.5	1	10/23/18 13:01	10/24/18 00:17	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	88	%.	75-125		1	10/23/18 13:01	10/24/18 00:17	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	10/23/18 13:01	10/24/18 00:17	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		1	10/23/18 13:01	10/24/18 00:17	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

QC Batch: 570953 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004, 10452531005, 10452531006, 10452531007, 10452531008

METHOD BLANK: 3097685 Matrix: Solid
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004, 10452531005, 10452531006, 10452531007, 10452531008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	10/23/18 15:03	
a,a,a-Trifluorotoluene (S)	%.	80	50-150		10/23/18 15:03	

LABORATORY CONTROL SAMPLE & LCSD: 3097686 3097687

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	45.2	46.4	90	93	54-125	3	20	
a,a,a-Trifluorotoluene (S)	%.				74	76	50-150			

MATRIX SPIKE SAMPLE: 3097964

Parameter	Units	10452531008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
TPH as Gas	mg/kg	<0.78	59.4	60.9	103	70-130	
a,a,a-Trifluorotoluene (S)	%.				75	50-150	

SAMPLE DUPLICATE: 3097962

Parameter	Units	10452531005 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.71	<0.69		30	
a,a,a-Trifluorotoluene (S)	%.	78	80	1		

SAMPLE DUPLICATE: 3097963

Parameter	Units	10452531007 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	3.8J	952		30	C0
a,a,a-Trifluorotoluene (S)	%.	78	75	162		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

QC Batch: 570832 Analysis Method: EPA 6010D
QC Batch Method: EPA 3050 Analysis Description: 6010D Solids
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004, 10452531005, 10452531006, 10452531007, 10452531008

METHOD BLANK: 3097296 Matrix: Solid
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004, 10452531005, 10452531006, 10452531007, 10452531008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.11	0.49	0.11	10/23/18 15:40	

LABORATORY CONTROL SAMPLE: 3097297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	47.5	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3097298 3097299

Parameter	Units	10452531001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	3.7	56.3	56.3	56.0	57.0	93	95	75-125	2	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

QC Batch: 571188 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004, 10452531005, 10452531006, 10452531007, 10452531008

SAMPLE DUPLICATE: 3098950

Parameter	Units	10452510003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.4	6.4	1	30	

SAMPLE DUPLICATE: 3098951

Parameter	Units	10451765003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.1	22.7	14	30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

QC Batch: 570782 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004

METHOD BLANK: 3097020 Matrix: Solid
Associated Lab Samples: 10452531001, 10452531002, 10452531003, 10452531004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/23/18 02:21	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/23/18 02:21	
Toluene	ug/kg	<12.2	50.0	12.2	10/23/18 02:21	
Xylene (Total)	ug/kg	<11.6	600	11.6	10/23/18 02:21	MN
1,2-Dichloroethane-d4 (S)	%.	103	75-125		10/23/18 02:21	
4-Bromofluorobenzene (S)	%.	105	75-125		10/23/18 02:21	
Toluene-d8 (S)	%.	100	75-125		10/23/18 02:21	

LABORATORY CONTROL SAMPLE: 3097021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	698	70	61-125	
Ethylbenzene	ug/kg	1000	729	73	62-125	
Toluene	ug/kg	1000	713	71	61-125	
Xylene (Total)	ug/kg	3000	2070	69	62-125	
1,2-Dichloroethane-d4 (S)	%.			102	75-125	
4-Bromofluorobenzene (S)	%.			102	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3097022 3097023

Parameter	Units	10452561001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	996	1010	674	709	68	70	65-135	5	30	
Ethylbenzene	ug/kg	ND	996	1010	705	705	71	70	72-138	0	30	M1
Toluene	ug/kg	ND	996	1010	715	724	72	72	65-142	1	30	
Xylene (Total)	ug/kg	ND	2990	3030	1980	1940	66	64	75-140	2	30	MS
1,2-Dichloroethane-d4 (S)	%.						97	107	75-125			
4-Bromofluorobenzene (S)	%.						101	103	75-125			
Toluene-d8 (S)	%.						99	102	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

QC Batch: 570963 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10452531005, 10452531006, 10452531007, 10452531008

METHOD BLANK: 3097789 Matrix: Solid
Associated Lab Samples: 10452531005, 10452531006, 10452531007, 10452531008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/23/18 16:20	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/23/18 16:20	
Toluene	ug/kg	<12.2	50.0	12.2	10/23/18 16:20	
Xylene (Total)	ug/kg	<11.6	150	11.6	10/23/18 16:20	
1,2-Dichloroethane-d4 (S)	%.	87	75-125		10/23/18 16:20	
4-Bromofluorobenzene (S)	%.	95	75-125		10/23/18 16:20	
Toluene-d8 (S)	%.	100	75-125		10/23/18 16:20	

LABORATORY CONTROL SAMPLE: 3097790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	674	67	61-125	
Ethylbenzene	ug/kg	1000	757	76	62-125	
Toluene	ug/kg	1000	747	75	61-125	
Xylene (Total)	ug/kg	3000	2280	76	62-125	
1,2-Dichloroethane-d4 (S)	%.			88	75-125	
4-Bromofluorobenzene (S)	%.			98	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3097791 3097792

Parameter	Units	10452037013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1020	1010	977	948	96	94	65-135	3	30	
Ethylbenzene	ug/kg	ND	1020	1010	1090	1040	107	103	72-138	5	30	
Toluene	ug/kg	ND	1020	1010	1080	1020	106	101	65-142	5	30	
Xylene (Total)	ug/kg	ND	3060	3040	3360	3220	110	106	75-140	4	30	
1,2-Dichloroethane-d4 (S)	%.						89	91	75-125			
4-Bromofluorobenzene (S)	%.						98	97	75-125			
Toluene-d8 (S)	%.						101	98	75-125			

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QUALIFIERS

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

C0	Result confirmed by second analysis.
G-	Early peaks present outside the GRO window.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

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METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10452531

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452531001	**GW-13D-60**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531002	**GW-13D-85**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531003	**GW-17D-3**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531004	**GW-15S-40**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531005	**GW-14D-3**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531006	**GW-15D-70**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531007	**GW-14S-20**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531008	**GW-8S-5**	NWTPH-Gx	570953	NWTPH-Gx	571015
10452531001	**GW-13D-60**	EPA 3050	570832	EPA 6010D	571023
10452531002	**GW-13D-85**	EPA 3050	570832	EPA 6010D	571023
10452531003	**GW-17D-3**	EPA 3050	570832	EPA 6010D	571023
10452531004	**GW-15S-40**	EPA 3050	570832	EPA 6010D	571023
10452531005	**GW-14D-3**	EPA 3050	570832	EPA 6010D	571023
10452531006	**GW-15D-70**	EPA 3050	570832	EPA 6010D	571023
10452531007	**GW-14S-20**	EPA 3050	570832	EPA 6010D	571023
10452531008	**GW-8S-5**	EPA 3050	570832	EPA 6010D	571023
10452531001	**GW-13D-60**	ASTM D2974	571188		
10452531002	**GW-13D-85**	ASTM D2974	571188		
10452531003	**GW-17D-3**	ASTM D2974	571188		
10452531004	**GW-15S-40**	ASTM D2974	571188		
10452531005	**GW-14D-3**	ASTM D2974	571188		
10452531006	**GW-15D-70**	ASTM D2974	571188		
10452531007	**GW-14S-20**	ASTM D2974	571188		
10452531008	**GW-8S-5**	ASTM D2974	571188		
10452531001	**GW-13D-60**	EPA 5035/5030B	570782	EPA 8260B	571489
10452531002	**GW-13D-85**	EPA 5035/5030B	570782	EPA 8260B	571489
10452531003	**GW-17D-3**	EPA 5035/5030B	570782	EPA 8260B	571489
10452531004	**GW-15S-40**	EPA 5035/5030B	570782	EPA 8260B	571489
10452531005	**GW-14D-3**	EPA 5035/5030B	570963	EPA 8260B	571200
10452531006	**GW-15D-70**	EPA 5035/5030B	570963	EPA 8260B	571200
10452531007	**GW-14S-20**	EPA 5035/5030B	570963	EPA 8260B	571200
10452531008	**GW-8S-5**	EPA 5035/5030B	570963	EPA 8260B	571200

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2297333

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave, NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Standard TAT

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lavrence Brown lavrence.brown@atcgs.com
Purchase Order No.:
Project Name: F66-Burien
Project Number: 2076000070

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

WO#: 10452531

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NWTPH-Gx	BTEX by 8260B	Total Lead by EPA 6000/7000	Rx	Pace Project No./ Lab I.D.
1	GW-13D-60	SL				10/12/18	1135		5	1						4		X	X	X			ω1
2	GW-13D-85					10/12/18	1530		5	1						4		X	X	X			ω2
3	GW-17D-3					10/12/18	1425		5	1						4		X	X	X			ω3
4	GW-15S-40					10/15/18	1030		5	1						4		X	X	X			ω4
5	GW-14D-3					10/16/18	1025		5	1						4		X	X	X			ω5
6	GW-15D-70					10/16/18	1215		5	1						4		X	X	X			ω6
7	GW-14S-20					10/17/18	1000		5	1						4		X	X	X			ω7
8	GW-85-5	↓				10/17/18	1225		5	1						4		X	X	X			206
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Sample "GW-14S-20" had high VOC detection by PID	Lavrence Brown	10/19/18	0740		10-19-18	0940		Y	N	Y
		10/19/18	1200		10-20-18	900	2.7	Y	Y	Y
							5.5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lavrence Brown

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/19/2018

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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2297334

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 SeaView Ave. NW, Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Brown, lawrence.brown@atcgs.com
Purchase Order No.:
Project Name: F66 - Burien
Project Number: 207600070

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NWTPH-Gx	BTEX by 8260B	Total Lead by 6020 EPA	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-8S-3	SL				10/17/18	1020		5	1						4		X	X	X		HOLD 009
2	GW-10S-3					10/16/18	1535		5	1						4		X	X	X		010
3	GW-15S-11					10/15/18	0930		5	1						4		X	X	X		011
4	GW-15S-15					10/15/18	0935		5	1						4		X	X	X		012
5	GW-15S-20					10/15/18	0945		5	1						4		X	X	X		013
6	GW-15S-25					10/15/18	0955		5	1						4		X	X	X		014
7	GW-15S-30					10/15/18	1005		5	1						4		X	X	X		015
8	GW-15S-35					10/15/18	1020		5	1						4		X	X	X		016
9	~~GW-15S-40~~					~~10/15/18~~	~~1030~~															
10	GW-15S-45	SL				10/15/18	1040		5	1						4		X	X	X		HOLD 017
11	GW-15D-60					10/16/18	1120		5	1						4		X	X	X		018
12	GW-18D-3					10/15/18	1015		5	1						4		X	X	X		019

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Lawrence Brown / ATC	10/19/18	0940	PACE	10-19-18	0940
		10-19-18	1920		10/20/18	9:10

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
-	Y	N	Y
2.7	Y	Y	Y
5.5			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lawrence Brown

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 10/19/2018

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

ORIGINAL

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 02May2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.23**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC Group.

Project #: WO#: 10452531

PM: JMG Due Date: 11/02/18

CLIENT: P66_CarWA

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐SpeeDee ☐Other:

Tracking Number: 448677871486; 1497

Custody Seal on Cooler/Box Present? ☒Yes ☐No **Seals Intact?** ☒Yes ☐No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒Bubble Wrap ☒Bubble Bags ☐None ☐Other: **Temp Blank?** ☒Yes ☐No

Thermometer Used: ☒ G87A9170600254 ☐ G87A9155100842 **Type of Ice:** ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Cooler Temp Read (°C): 2.5, 5.3 **Cooler Temp Corrected (°C):** 2.7, 5.5 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** CLJ 10-20-18

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒Yes	☐No		1.
Chain of Custody Filled Out?	☒Yes	☐No		2.
Chain of Custody Relinquished?	☒Yes	☐No		3.
Sampler Name and/or Signature on COC?	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time?	☒Yes	☐No		5.
Short Hold Time Analysis (<72 hr)?	☐Yes	☒No		6.
Rush Turn Around Time Requested?	☐Yes	☒No		7.
Sufficient Volume?	☒Yes	☐No		8.
Correct Containers Used? -Pace Containers Used?	☒Yes ☒Yes	☐No ☐No		9.
Containers Intact?	☒Yes	☐No		10.
Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	☒Yes	☐No		12. ~~Rec'd sample not on COC (GW-85-5)~~ CLJ 10-20-18 ~~Time 12:35 Date~~
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes ☐Yes ☐Yes	☐No ☐No ☐No	☒N/A ☒N/A ☒N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N Sample # Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐Yes	☐No	☒N/A	14.
Trip Blank Present? Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased):	☐Yes ☐Yes	☐No ☐No	☒N/A ☒N/A	15.

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Jenni Gross Date: 10/22/18

Note: Whenever there is a discrepancy affecting North Caro nples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 16, 2018

Laurence Brown
ATC Group Services LLC
6347 Seaview Avenue NW
Seattle, WA 98107

RE: Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Dear Laurence Brown:
Enclosed are the analytical results for sample(s) received by the laboratory on October 27, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Bowser for
Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Brianne Goulet, ATC Group Services LLC
Elisabeth Silver, ATC Group Services LLC

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CERTIFICATIONS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10453393001	**GW-14S-10**	Solid	10/17/18 09:25	10/27/18 09:40
10453393002	**GW-14S-12**	Solid	10/17/18 09:40	10/27/18 09:40
10453393003	**GW-14S-15**	Solid	10/17/18 09:50	10/27/18 09:40
10453393004	**GW-14S-30**	Solid	10/17/18 10:25	10/27/18 09:40
10453393005	**GW-14S-35**	Solid	10/17/18 10:40	10/27/18 09:40
10453393006	**GW-14S-40**	Solid	10/17/18 10:50	10/27/18 09:40
10453393007	**GW-14S-50**	Solid	10/17/18 11:30	10/27/18 09:40
10453393008	**GW-14D-60**	Solid	10/18/18 12:50	10/27/18 09:40
10453393009	**GW-14D-80**	Solid	10/18/18 13:50	10/27/18 09:40
10453393010	**GW-16D-11**	Solid	10/25/18 12:50	10/27/18 09:40
10453393011	**GW-16D-15**	Solid	10/25/18 13:05	10/27/18 09:40
10453393012	**GW-16D-20**	Solid	10/25/18 13:15	10/27/18 09:40
10453393013	**GW-16D-25**	Solid	10/25/18 13:25	10/27/18 09:40
10453393014	**GW-16D-35**	Solid	10/25/18 14:05	10/27/18 09:40
10453393015	**GW-16D-40**	Solid	10/25/18 14:25	10/27/18 09:40
10453393016	**GW-16D-50**	Solid	10/25/18 15:05	10/27/18 09:40
10453393017	**GW-17S-12**	Solid	10/23/18 11:40	10/27/18 09:40
10453393018	**GW-17S-15**	Solid	10/23/18 11:55	10/27/18 09:40
10453393019	**GW-17S-20**	Solid	10/23/18 12:50	10/27/18 09:40
10453393020	**GW-17S-35**	Solid	10/23/18 13:25	10/27/18 09:40
10453393021	**GW-17S-40**	Solid	10/23/18 13:35	10/27/18 09:40
10453393022	**GW-17D-70**	Solid	10/24/18 15:50	10/27/18 09:40
10453393023	**GW-17D-75**	Solid	10/24/18 16:05	10/27/18 09:40
10453393024	**GW-17D-85**	Solid	10/24/18 16:20	10/27/18 09:40
10453393025	**GW-18S-5.5**	Solid	10/19/18 09:25	10/27/18 09:40
10453393026	**GW-18S-15**	Solid	10/19/18 09:50	10/27/18 09:40
10453393027	**GW-18S-30**	Solid	10/19/18 10:25	10/27/18 09:40
10453393028	**GW-18S-45**	Solid	10/19/18 11:05	10/27/18 09:40
10453393029	**GW-18D-70**	Solid	10/22/18 14:25	10/27/18 09:40
10453393030	**GW-18D-75**	Solid	10/22/18 14:35	10/27/18 09:40

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10453393003	**GW-14S-15**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393005	**GW-14S-35**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393007	**GW-14S-50**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393009	**GW-14D-80**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393011	**GW-16D-15**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393013	**GW-16D-25**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393014	**GW-16D-35**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393019	**GW-17S-20**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393024	**GW-17D-85**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393027	**GW-18S-30**	NWTPH-Gx	AG1	2	PASI-M

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1700 Elm Street - Suite 200
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(612)607-1700

SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393028	**GW-18S-45**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393029	**GW-18D-70**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10453393030	**GW-18D-75**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-14S-15 **Lab ID: 10453393003** Collected: 10/17/18 09:50 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.74**	mg/kg	5.7	0.74	1	10/30/18 13:39	10/30/18 19:18		
Surrogates									
a,a,a-Trifluorotoluene (S)	66	%.	50-150		1	10/30/18 13:39	10/30/18 19:18	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.52	0.12	1	10/29/18 16:01	10/30/18 09:42	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.4**	%	0.10	0.10	1		11/05/18 14:23		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.4	3.2	1	10/30/18 12:40	10/31/18 14:37	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	56.1	3.1	1	10/30/18 12:40	10/31/18 14:37	100-41-4	
Toluene	**<13.7**	ug/kg	56.1	13.7	1	10/30/18 12:40	10/31/18 14:37	108-88-3	
Xylene (Total)	**<13.0**	ug/kg	673	13.0	1	10/30/18 12:40	10/31/18 14:37	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%.	75-125		1	10/30/18 12:40	10/31/18 14:37	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/30/18 12:40	10/31/18 14:37	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	75-125		1	10/30/18 12:40	10/31/18 14:37	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-14S-35 **Lab ID: 10453393005** Collected: 10/17/18 10:40 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**18.8**	mg/kg	5.5	0.72	1	10/30/18 13:39	10/30/18 20:09		
Surrogates									
a,a,a-Trifluorotoluene (S)	64	%.	50-150		1	10/30/18 13:39	10/30/18 20:09	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.49	0.11	1	10/29/18 16:01	10/30/18 09:48	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.1**	%	0.10	0.10	1		11/05/18 14:28		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.0	3.0	1	10/30/18 12:40	10/31/18 15:20	71-43-2	
Ethylbenzene	**160**	ug/kg	52.5	2.9	1	10/30/18 12:40	10/31/18 15:20	100-41-4	
Toluene	**<12.8**	ug/kg	52.5	12.8	1	10/30/18 12:40	10/31/18 15:20	108-88-3	
Xylene (Total)	**724**	ug/kg	630	12.2	1	10/30/18 12:40	10/31/18 15:20	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		1	10/30/18 12:40	10/31/18 15:20	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/30/18 12:40	10/31/18 15:20	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	10/30/18 12:40	10/31/18 15:20	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-14S-50 **Lab ID: 10453393007** Collected: 10/17/18 11:30 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**3.9J**	mg/kg	5.5	0.73	1	10/30/18 13:39	10/30/18 20:43		
Surrogates									
a,a,a-Trifluorotoluene (S)	72	%.	50-150		1	10/30/18 13:39	10/30/18 20:43	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.49	0.11	1	10/29/18 16:01	10/30/18 09:54	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.8**	%	0.10	0.10	1		11/05/18 14:30		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**20.6J**	ug/kg	22.4	3.2	1	10/30/18 12:40	10/31/18 16:03	71-43-2	
Ethylbenzene	**111**	ug/kg	55.9	3.0	1	10/30/18 12:40	10/31/18 16:03	100-41-4	
Toluene	**107**	ug/kg	55.9	13.6	1	10/30/18 12:40	10/31/18 16:03	108-88-3	
Xylene (Total)	**791**	ug/kg	671	13.0	1	10/30/18 12:40	10/31/18 16:03	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	105	%.	75-125		1	10/30/18 12:40	10/31/18 16:03	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	10/30/18 12:40	10/31/18 16:03	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125		1	10/30/18 12:40	10/31/18 16:03	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-14D-80 **Lab ID: 10453393009** Collected: 10/18/18 13:50 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.75**	mg/kg	5.7	0.75	1	10/30/18 13:39	10/30/18 21:00		
Surrogates									
a,a,a-Trifluorotoluene (S)	69	%.	50-150		1	10/30/18 13:39	10/30/18 21:00	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.4**	mg/kg	0.55	0.12	1	10/29/18 16:01	10/30/18 09:57	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/05/18 14:31		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	22.1	3.1	1	10/30/18 12:40	10/31/18 17:08	71-43-2	
Ethylbenzene	**<3.0**	ug/kg	55.3	3.0	1	10/30/18 12:40	10/31/18 17:08	100-41-4	
Toluene	**<13.5**	ug/kg	55.3	13.5	1	10/30/18 12:40	10/31/18 17:08	108-88-3	
Xylene (Total)	**<12.8**	ug/kg	664	12.8	1	10/30/18 12:40	10/31/18 17:08	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%.	75-125		1	10/30/18 12:40	10/31/18 17:08	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/30/18 12:40	10/31/18 17:08	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1	10/30/18 12:40	10/31/18 17:08	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-16D-15 **Lab ID: 10453393011** Collected: 10/25/18 13:05 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	10/30/18 13:39	10/30/18 22:07		
Surrogates									
a,a,a-Trifluorotoluene (S)	71	%.	50-150		1	10/30/18 13:39	10/30/18 22:07	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.49	0.11	1	10/29/18 16:01	10/30/18 10:07	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.3**	%	0.10	0.10	1		11/05/18 14:33		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.6	3.0	1	11/02/18 10:29	11/02/18 15:53	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	53.9	2.9	1	11/02/18 10:29	11/02/18 15:53	100-41-4	
Toluene	**<13.2**	ug/kg	53.9	13.2	1	11/02/18 10:29	11/02/18 15:53	108-88-3	
Xylene (Total)	**<12.5**	ug/kg	647	12.5	1	11/02/18 10:29	11/02/18 15:53	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	75-125		1	11/02/18 10:29	11/02/18 15:53	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	11/02/18 10:29	11/02/18 15:53	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1	11/02/18 10:29	11/02/18 15:53	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-16D-25 **Lab ID: 10453393013** Collected: 10/25/18 13:25 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**77.5**	mg/kg	5.2	0.68	1	10/30/18 13:39	10/30/18 23:48		
Surrogates									
a,a,a-Trifluorotoluene (S)	61	%.	50-150		1	10/30/18 13:39	10/30/18 23:48	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.52	0.12	1	10/29/18 16:01	10/30/18 10:10	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**5.8**	%	0.10	0.10	1		11/05/18 14:34		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.4	3.0	1	11/02/18 10:29	11/02/18 16:14	71-43-2	
Ethylbenzene	**2310**	ug/kg	53.4	2.9	1	11/02/18 10:29	11/02/18 16:14	100-41-4	
Toluene	**65.8**	ug/kg	53.4	13.0	1	11/02/18 10:29	11/02/18 16:14	108-88-3	
Xylene (Total)	**13100**	ug/kg	641	12.4	1	11/02/18 10:29	11/02/18 16:14	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	75-125		1	11/02/18 10:29	11/02/18 16:14	17060-07-0	
Toluene-d8 (S)	94	%.	75-125		1	11/02/18 10:29	11/02/18 16:14	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	11/02/18 10:29	11/02/18 16:14	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-16D-35 **Lab ID: 10453393014** Collected: 10/25/18 14:05 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	10/30/18 13:39	10/31/18 00:04		
Surrogates									
a,a,a-Trifluorotoluene (S)	69	%.	50-150		1	10/30/18 13:39	10/31/18 00:04	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.49	0.11	1	10/29/18 16:01	10/30/18 10:13	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.2**	%	0.10	0.10	1		11/05/18 14:36		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	22.0	3.1	1	11/02/18 10:29	11/02/18 16:35	71-43-2	
Ethylbenzene	**<3.0**	ug/kg	55.1	3.0	1	11/02/18 10:29	11/02/18 16:35	100-41-4	
Toluene	**<13.5**	ug/kg	55.1	13.5	1	11/02/18 10:29	11/02/18 16:35	108-88-3	
Xylene (Total)	**<12.8**	ug/kg	661	12.8	1	11/02/18 10:29	11/02/18 16:35	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	75-125		1	11/02/18 10:29	11/02/18 16:35	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1	11/02/18 10:29	11/02/18 16:35	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125		1	11/02/18 10:29	11/02/18 16:35	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-17S-20 **Lab ID: 10453393019** Collected: 10/23/18 12:50 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.73**	mg/kg	5.6	0.73	1	10/30/18 13:39	10/30/18 23:14		
Surrogates									
a,a,a-Trifluorotoluene (S)	69	%.	50-150		1	10/30/18 13:39	10/30/18 23:14	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.0**	mg/kg	0.50	0.11	1	10/29/18 16:01	10/30/18 10:16	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.9**	%	0.10	0.10	1		11/05/18 14:37		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<2.9**	ug/kg	20.7	2.9	1	11/01/18 10:04	11/01/18 16:31	71-43-2	
Ethylbenzene	**<2.8**	ug/kg	51.8	2.8	1	11/01/18 10:04	11/01/18 16:31	100-41-4	
Toluene	**<12.6**	ug/kg	51.8	12.6	1	11/01/18 10:04	11/01/18 16:31	108-88-3	
Xylene (Total)	**<12.0**	ug/kg	622	12.0	1	11/01/18 10:04	11/01/18 16:31	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1	11/01/18 10:04	11/01/18 16:31	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1	11/01/18 10:04	11/01/18 16:31	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125		1	11/01/18 10:04	11/01/18 16:31	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-17D-85 **Lab ID: 10453393024** Collected: 10/24/18 16:20 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.76**	mg/kg	5.8	0.76	1	10/30/18 13:39	10/30/18 23:31		
Surrogates									
a,a,a-Trifluorotoluene (S)	73	%.	50-150		1	10/30/18 13:39	10/30/18 23:31	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.56	0.13	1	10/29/18 16:01	10/30/18 10:20	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**14.4**	%	0.10	0.10	1		11/05/18 14:39		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.8	3.2	1	11/02/18 10:29	11/02/18 20:10	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	57.0	3.1	1	11/02/18 10:29	11/02/18 20:10	100-41-4	
Toluene	**<13.9**	ug/kg	57.0	13.9	1	11/02/18 10:29	11/02/18 20:10	108-88-3	
Xylene (Total)	**<13.2**	ug/kg	684	13.2	1	11/02/18 10:29	11/02/18 20:10	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1	11/02/18 10:29	11/02/18 20:10	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1	11/02/18 10:29	11/02/18 20:10	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125		1	11/02/18 10:29	11/02/18 20:10	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-18S-30 **Lab ID: 10453393027** Collected: 10/19/18 10:25 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.72**	mg/kg	5.5	0.72	1	10/30/18 13:39	10/30/18 21:17		
Surrogates									
a,a,a-Trifluorotoluene (S)	67	%.	50-150		1	10/30/18 13:39	10/30/18 21:17	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.52	0.12	1	10/29/18 16:01	10/30/18 10:23	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**5.8**	%	0.10	0.10	1		11/05/18 14:40		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.3	3.0	1	10/31/18 17:31	11/01/18 00:41	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	53.2	2.9	1	10/31/18 17:31	11/01/18 00:41	100-41-4	
Toluene	**<13.0**	ug/kg	53.2	13.0	1	10/31/18 17:31	11/01/18 00:41	108-88-3	
Xylene (Total)	**<12.3**	ug/kg	638	12.3	1	10/31/18 17:31	11/01/18 00:41	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1	10/31/18 17:31	11/01/18 00:41	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	10/31/18 17:31	11/01/18 00:41	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	10/31/18 17:31	11/01/18 00:41	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-18S-45 **Lab ID: 10453393028** Collected: 10/19/18 11:05 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**55.3**	mg/kg	5.2	0.69	1	10/30/18 13:39	10/30/18 22:24		
Surrogates									
a,a,a-Trifluorotoluene (S)	62	%.	50-150		1	10/30/18 13:39	10/30/18 22:24	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.50	0.11	1	10/29/18 16:01	10/30/18 10:26	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.8**	%	0.10	0.10	1		11/05/18 14:42		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.5	3.2	1	10/31/18 17:31	11/01/18 01:02	71-43-2	
Ethylbenzene	**119**	ug/kg	56.3	3.1	1	10/31/18 17:31	11/01/18 01:02	100-41-4	
Toluene	**27.2J**	ug/kg	56.3	13.7	1	10/31/18 17:31	11/01/18 01:02	108-88-3	
Xylene (Total)	**533J**	ug/kg	675	13.1	1	10/31/18 17:31	11/01/18 01:02	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1	10/31/18 17:31	11/01/18 01:02	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	10/31/18 17:31	11/01/18 01:02	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1	10/31/18 17:31	11/01/18 01:02	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-18D-70 **Lab ID: 10453393029** Collected: 10/22/18 14:25 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.73**	mg/kg	5.5	0.73	1	10/30/18 13:39	10/30/18 22:41		
Surrogates									
a,a,a-Trifluorotoluene (S)	64	%.	50-150		1	10/30/18 13:39	10/30/18 22:41	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.52	0.12	1	10/29/18 16:01	10/30/18 10:29	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.8**	%	0.10	0.10	1		11/05/18 14:45		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<2.9**	ug/kg	20.8	2.9	1	11/01/18 10:04	11/01/18 16:10	71-43-2	
Ethylbenzene	**<2.8**	ug/kg	51.9	2.8	1	11/01/18 10:04	11/01/18 16:10	100-41-4	
Toluene	**<12.7**	ug/kg	51.9	12.7	1	11/01/18 10:04	11/01/18 16:10	108-88-3	
Xylene (Total)	**<12.0**	ug/kg	623	12.0	1	11/01/18 10:04	11/01/18 16:10	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	75-125		1	11/01/18 10:04	11/01/18 16:10	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	11/01/18 10:04	11/01/18 16:10	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	75-125		1	11/01/18 10:04	11/01/18 16:10	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Sample: GW-18D-75 **Lab ID: 10453393030** Collected: 10/22/18 14:35 Received: 10/27/18 09:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.73**	mg/kg	5.5	0.73	1	10/30/18 13:39	10/30/18 22:57		
Surrogates									
a,a,a-Trifluorotoluene (S)	69	%.	50-150		1	10/30/18 13:39	10/30/18 22:57	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.50	0.11	1	10/29/18 16:01	10/30/18 10:31	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.4**	%	0.10	0.10	1		11/05/18 14:47		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.5	3.0	1	11/01/18 10:04	11/01/18 16:53	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	53.8	2.9	1	11/01/18 10:04	11/01/18 16:53	100-41-4	
Toluene	**<13.1**	ug/kg	53.8	13.1	1	11/01/18 10:04	11/01/18 16:53	108-88-3	
Xylene (Total)	**<12.5**	ug/kg	645	12.5	1	11/01/18 10:04	11/01/18 16:53	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%.	75-125		1	11/01/18 10:04	11/01/18 16:53	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1	11/01/18 10:04	11/01/18 16:53	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	11/01/18 10:04	11/01/18 16:53	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 572326 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

METHOD BLANK: 3104968 Matrix: Solid
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	10/30/18 15:54	
a,a,a-Trifluorotoluene (S)	%.	72	50-150		10/30/18 15:54	

METHOD BLANK: 3104969 Matrix: Solid
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	10/30/18 16:11	
a,a,a-Trifluorotoluene (S)	%.	70	50-150		10/30/18 16:11	

LABORATORY CONTROL SAMPLE & LCSD: 3104970 3104971

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	42.2	44.8	84	90	54-125	6	20	
a,a,a-Trifluorotoluene (S)	%.				68	70	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3105354 3105355

Parameter	Units	10453393027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	<0.72	52.2	52	51.5	50.6	99	97	70-130	2	30	
a,a,a-Trifluorotoluene (S)	%.						68	68	50-150			

SAMPLE DUPLICATE: 3105352

Parameter	Units	10455515001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	ND	<0.65		30	
a,a,a-Trifluorotoluene (S)	%.	68	61	15		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

SAMPLE DUPLICATE: 3105353

Parameter	Units	10453393003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.74	<0.72		30	
a,a,a-Trifluorotoluene (S)	%.	66	69	1		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 571965 Analysis Method: EPA 6010D
QC Batch Method: EPA 3050 Analysis Description: 6010D Solids
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

METHOD BLANK: 3103656 Matrix: Solid
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.10	0.46	0.10	10/30/18 08:58	

LABORATORY CONTROL SAMPLE: 3103657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	48.1	47.9	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3103658 3103659

Parameter	Units	10453142003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	18.6	50.1	50.7	57.7	59.4	78	81	75-125	3	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 573334 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009, 10453393011, 10453393013, 10453393014, 10453393019, 10453393024, 10453393027, 10453393028, 10453393029, 10453393030

SAMPLE DUPLICATE: 3112311

Parameter	Units	10453393003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.4	7.9	6	30	

SAMPLE DUPLICATE: 3112312

Parameter	Units	10453393028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.8	7.6	2	30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 572350 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009

METHOD BLANK: 3105094 Matrix: Solid
Associated Lab Samples: 10453393003, 10453393005, 10453393007, 10453393009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/31/18 12:50	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/31/18 12:50	
Toluene	ug/kg	<12.2	50.0	12.2	10/31/18 12:50	
Xylene (Total)	ug/kg	<11.6	600	11.6	10/31/18 12:50	MN
1,2-Dichloroethane-d4 (S)	%.	105	75-125		10/31/18 12:50	
4-Bromofluorobenzene (S)	%.	105	75-125		10/31/18 12:50	
Toluene-d8 (S)	%.	99	75-125		10/31/18 12:50	

LABORATORY CONTROL SAMPLE: 3105095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	965	97	61-125	
Ethylbenzene	ug/kg	1000	949	95	62-125	
Toluene	ug/kg	1000	945	95	61-125	
Xylene (Total)	ug/kg	3000	2720	91	62-125	
1,2-Dichloroethane-d4 (S)	%.			103	75-125	
4-Bromofluorobenzene (S)	%.			101	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3105096 3105097

Parameter	Units	10452886001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<2.9	1090	1060	1430	1270	131	121	65-135	11	30	
Ethylbenzene	ug/kg	<2.8	1090	1060	1350	1200	124	114	72-138	12	30	
Toluene	ug/kg	<12.3	1090	1060	1390	1230	127	117	65-142	12	30	
Xylene (Total)	ug/kg	<11.7	3270	3160	3900	3530	119	111	75-140	10	30	
1,2-Dichloroethane-d4 (S)	%.						104	102	75-125			
4-Bromofluorobenzene (S)	%.						101	101	75-125			
Toluene-d8 (S)	%.						99	100	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 572555 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10453393027, 10453393028

METHOD BLANK: 3106543 Matrix: Solid
Associated Lab Samples: 10453393027, 10453393028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/31/18 23:15	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/31/18 23:15	
Toluene	ug/kg	<12.2	50.0	12.2	10/31/18 23:15	
Xylene (Total)	ug/kg	<11.6	600	11.6	10/31/18 23:15	MN
1,2-Dichloroethane-d4 (S)	%.	98	75-125		10/31/18 23:15	
4-Bromofluorobenzene (S)	%.	103	75-125		10/31/18 23:15	
Toluene-d8 (S)	%.	100	75-125		10/31/18 23:15	

LABORATORY CONTROL SAMPLE: 3106544

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	740	74	61-125	
Ethylbenzene	ug/kg	1000	727	73	62-125	
Toluene	ug/kg	1000	771	77	61-125	
Xylene (Total)	ug/kg	3000	2090	70	62-125	
1,2-Dichloroethane-d4 (S)	%.			95	75-125	
4-Bromofluorobenzene (S)	%.			97	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3106545 3106546

Parameter	Units	10453157002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1030	1050	1390	1490	135	142	65-135	7	30	M1
Ethylbenzene	ug/kg	ND	1030	1050	1370	1440	133	137	72-138	5	30	
Toluene	ug/kg	ND	1030	1050	1420	1460	138	139	65-142	3	30	
Xylene (Total)	ug/kg	ND	3080	3150	4220	4180	137	133	75-140	1	30	
1,2-Dichloroethane-d4 (S)	%.						102	101	75-125			
4-Bromofluorobenzene (S)	%.						101	103	75-125			
Toluene-d8 (S)	%.						102	100	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 572817 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10453393019, 10453393029, 10453393030

METHOD BLANK: 3108151 Matrix: Solid
Associated Lab Samples: 10453393019, 10453393029, 10453393030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/01/18 14:44	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/01/18 14:44	
Toluene	ug/kg	<12.2	50.0	12.2	11/01/18 14:44	
Xylene (Total)	ug/kg	<11.6	600	11.6	11/01/18 14:44	MN
1,2-Dichloroethane-d4 (S)	%.	92	75-125		11/01/18 14:44	
4-Bromofluorobenzene (S)	%.	101	75-125		11/01/18 14:44	
Toluene-d8 (S)	%.	98	75-125		11/01/18 14:44	

LABORATORY CONTROL SAMPLE: 3108152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	796	80	61-125	
Ethylbenzene	ug/kg	1000	811	81	62-125	
Toluene	ug/kg	1000	830	83	61-125	
Xylene (Total)	ug/kg	3000	2280	76	62-125	
1,2-Dichloroethane-d4 (S)	%.			96	75-125	
4-Bromofluorobenzene (S)	%.			104	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3108236 3108237

Parameter	Units	10453786002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1160	1140	1130	970	97	85	65-135	15	30	
Ethylbenzene	ug/kg	ND	1160	1140	1210	1030	104	91	72-138	15	30	
Toluene	ug/kg	ND	1160	1140	1240	1060	107	93	65-142	16	30	
Xylene (Total)	ug/kg	ND	3490	3410	3530	3010	101	88	75-140	16	30	
1,2-Dichloroethane-d4 (S)	%.						91	91	75-125			
4-Bromofluorobenzene (S)	%.						99	99	75-125			
Toluene-d8 (S)	%.						98	99	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

QC Batch: 572937 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10453393011, 10453393013, 10453393014, 10453393024

METHOD BLANK: 3108674 Matrix: Solid
Associated Lab Samples: 10453393011, 10453393013, 10453393014, 10453393024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/02/18 13:43	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/02/18 13:43	
Toluene	ug/kg	<12.2	50.0	12.2	11/02/18 13:43	
Xylene (Total)	ug/kg	<11.6	600	11.6	11/02/18 13:43	MN
1,2-Dichloroethane-d4 (S)	%.	96	75-125		11/02/18 13:43	
4-Bromofluorobenzene (S)	%.	105	75-125		11/02/18 13:43	
Toluene-d8 (S)	%.	99	75-125		11/02/18 13:43	

LABORATORY CONTROL SAMPLE: 3108675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	1080	108	61-125	
Ethylbenzene	ug/kg	1000	1150	115	62-125	
Toluene	ug/kg	1000	1190	119	61-125	
Xylene (Total)	ug/kg	3000	3380	113	62-125	
1,2-Dichloroethane-d4 (S)	%.			90	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3108676 3108677

Parameter	Units	10453150001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	34700	1160	1130	28000	15300	-577	-1720	65-135	59	30	M1,R1
Ethylbenzene	ug/kg	57900	1160	1130	46300	32100	-1010	-2290	72-138	36	30	M1,R1
Toluene	ug/kg	240000	1160	1130	223000	138000	-1470	-9080	65-142	47	30	E,M1,R1
Xylene (Total)	ug/kg	332000	3470	3390	330000	224000	-60	-3200	75-140	38	30	ES,MS,RS
1,2-Dichloroethane-d4 (S)	%.						100	94	75-125			1M
4-Bromofluorobenzene (S)	%.						106	102	75-125			
Toluene-d8 (S)	%.						98	100	75-125			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1M	Analysis suggests sample and QC sample duplicate are non-homogeneous. Results confirmed by second analysis.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.

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(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10453393003	**GW-14S-15**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393005	**GW-14S-35**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393007	**GW-14S-50**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393009	**GW-14D-80**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393011	**GW-16D-15**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393013	**GW-16D-25**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393014	**GW-16D-35**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393019	**GW-17S-20**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393024	**GW-17D-85**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393027	**GW-18S-30**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393028	**GW-18S-45**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393029	**GW-18D-70**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393030	**GW-18D-75**	NWTPH-Gx	572326	NWTPH-Gx	572403
10453393003	**GW-14S-15**	EPA 3050	571965	EPA 6010D	572241
10453393005	**GW-14S-35**	EPA 3050	571965	EPA 6010D	572241
10453393007	**GW-14S-50**	EPA 3050	571965	EPA 6010D	572241
10453393009	**GW-14D-80**	EPA 3050	571965	EPA 6010D	572241
10453393011	**GW-16D-15**	EPA 3050	571965	EPA 6010D	572241
10453393013	**GW-16D-25**	EPA 3050	571965	EPA 6010D	572241
10453393014	**GW-16D-35**	EPA 3050	571965	EPA 6010D	572241
10453393019	**GW-17S-20**	EPA 3050	571965	EPA 6010D	572241
10453393024	**GW-17D-85**	EPA 3050	571965	EPA 6010D	572241
10453393027	**GW-18S-30**	EPA 3050	571965	EPA 6010D	572241
10453393028	**GW-18S-45**	EPA 3050	571965	EPA 6010D	572241
10453393029	**GW-18D-70**	EPA 3050	571965	EPA 6010D	572241
10453393030	**GW-18D-75**	EPA 3050	571965	EPA 6010D	572241
10453393003	**GW-14S-15**	ASTM D2974	573334		
10453393005	**GW-14S-35**	ASTM D2974	573334		
10453393007	**GW-14S-50**	ASTM D2974	573334		
10453393009	**GW-14D-80**	ASTM D2974	573334		
10453393011	**GW-16D-15**	ASTM D2974	573334		
10453393013	**GW-16D-25**	ASTM D2974	573334		
10453393014	**GW-16D-35**	ASTM D2974	573334		
10453393019	**GW-17S-20**	ASTM D2974	573334		
10453393024	**GW-17D-85**	ASTM D2974	573334		
10453393027	**GW-18S-30**	ASTM D2974	573334		
10453393028	**GW-18S-45**	ASTM D2974	573334		
10453393029	**GW-18D-70**	ASTM D2974	573334		
10453393030	**GW-18D-75**	ASTM D2974	573334		
10453393003	**GW-14S-15**	EPA 5035/5030B	572350	EPA 8260B	572825
10453393005	**GW-14S-35**	EPA 5035/5030B	572350	EPA 8260B	572825
10453393007	**GW-14S-50**	EPA 5035/5030B	572350	EPA 8260B	572825
10453393009	**GW-14D-80**	EPA 5035/5030B	572350	EPA 8260B	572825
10453393011	**GW-16D-15**	EPA 5035/5030B	572937	EPA 8260B	573137
10453393013	**GW-16D-25**	EPA 5035/5030B	572937	EPA 8260B	573137
10453393014	**GW-16D-35**	EPA 5035/5030B	572937	EPA 8260B	573137

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10453393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10453393019	**GW-17S-20**	EPA 5035/5030B	572817	EPA 8260B	572861
10453393024	**GW-17D-85**	EPA 5035/5030B	572937	EPA 8260B	573137
10453393027	**GW-18S-30**	EPA 5035/5030B	572555	EPA 8260B	572721
10453393028	**GW-18S-45**	EPA 5035/5030B	572555	EPA 8260B	572721
10453393029	**GW-18D-70**	EPA 5035/5030B	572817	EPA 8260B	572861
10453393030	**GW-18D-75**	EPA 5035/5030B	572817	EPA 8260B	572861

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of

2297740

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave. NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Laurence Brown laurence.brown@atcgs.com
Purchase Order No.:
Project Name: P66-Borien
Project Number: 207600070

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: WI/TPH-Gx	BTEX by 8260B	Total Lead by 6010B	Re:	Pace Project No./ Lab I.D.
1	GW-14S-10	SL	G	10/17/18		10/17/18	0925		5	1						4		X	X	X		HOLD 001
2	GW-14S-12						0940											X	X	X		HOLD 002
3	GW-14S-15						0950											X	X	X		003
4	GW-14S-30						1025											X	X	X		HOLD 004
5	GW-14S-35						1040											X	X	X		005
6	GW-14S-40						1050											X	X	X		HOLD 006
7	GW-14S-50						1130											X	X	X		007
8	GW-14D-60					10/18/18	1250											X	X	X		HOLD 008
9	GW-14D-80						1350											X	X	X		009
10	GW-16D-11					10/25/18	1250											X	X	X		HOLD 010
11	GW-16D-15						1305											X	X	X		011
12	GW-16D-20						1315											X	X	X		HOLD 012

WO#: 10453393

10453393

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	ATC	10/26/18	1055		10/26/18	1100	—	Y	N	Y
		10/26/18	1700		10/27/18	0930	1.2	Y	Y	Y
							3.0			
							5.9			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Laurence Brown

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 10/26/18

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of

2297741

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW
Seattle WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Brown
lawrence.brown@atcgs.com
Purchase Order No.:
Project Name: PG6 - Bucoen
Project Number: 207600070

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH-Gx	BTEX by 8260B	EDB by 8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-16D-25	SL	G			10/25/18	1325		5	1						4			X	X	X		013
2	GW-16D-35						1405												X	X	X		014
3	GW-16D-40						1425												X	X	X		015
4	GW-16D-50						1505												X	X	X	HOLD	016
5	GW-17S-12					10/23/18	1040												X	X	X		017
6	GW-17S-15						1155												X	X	X		018
7	GW-17S-20						1250												X	X	X		019
8	GW-17S-35						1325												X	X	X	HOLD	020
9	GW-17S-40						1335												X	X	X		021
10	GW-17D-70					10/24/18	1550												X	X	X		022
11	GW-17D-75						1605												X	X	X		023
12	GW-17D-85						1620												X	X	X		024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
"GW-16D-25" had elevated VOCs detected by PID in field.	ATC	10/26/18	1055	PACE	10/26/18	1059	—	Y	N	Y
		10-26-18	1700		10/26/18	9:40	12	Y	Y	Y
							30			
							5.4			

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lawrence Brown

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/26/18

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: of 2297739

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Laurence Brown laurence.brown@atcgs.com
Purchase Order No.:
Project Name: PGG-Bronson
Project Number: 20260000270

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: NWTPH-Gx	BTEX by 8260B	Lead 6010/6020 by EPA	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-18S-5.5	SL	G			10/19/18	0925		5	1						4		X	X	X		HOLD 025
2	GW-18S-15						0850											X	X	X		HOLD 026
3	GW-18S-30						1025											X	X	X		027
4	GW-18S-45						1105											X	X	X		028
5	GW-18D-90					10/22/18	1425											X	X	X		029
6	GW-18D-75						1435															030
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	ATC	10/26/18	1055		10/26/18	1059	9
		10/26/18	1700	Client Pace	10/27/18	9:40	12
							20
							SH

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4	Y	Y	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Laurence Brown
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 10/26/18

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 02May2018 Page 1 of 2
	Document No.: F-MN-L-213-rev.23	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC

Project #: **WO#: 10453393**

PM: JMG **Due Date: 11/09/18**

CLIENT: P66_CarWA

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] SpeeDee [ ] Other:

Tracking Number: 4486 7787 1615; 1590; 1604

Custody Seal on Cooler/Box Present? [X] Yes [ ] No **Seals Intact?** [X] Yes [ ] No

Optional: Proj. Due Date: Proj. Name:

Packing Material: [X] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other: **Temp Blank?** [X] Yes [ ] No

Thermometer Used: [ ] G87A9170500254 [X] G87A9155100842

Type of Ice: [ ] Wet [ ] Blue [X] None [ ] Dry [ ] Melted

Cooler Temp Read (°C): 1.2, 3.0, 5.4 **Cooler Temp Corrected (°C):** 1.2, 3.0, 5.4 **Biological Tissue Frozen?** [ ] Yes [ ] No [X] N/A

Temp should be above freezing to 6°C **Correction Factor:** true **Date and Initials of Person Examining Contents:** Clnt 10/27/18

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? [ ] Yes [ ] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [ ] No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	[X] Yes	[ ] No		1.
Chain of Custody Filled Out?	[X] Yes	[ ] No		2.
Chain of Custody Relinquished?	[X] Yes	[ ] No		3.
Sampler Name and/or Signature on COC?	[X] Yes	[ ] No	[ ] N/A	4.
Samples Arrived within Hold Time?	[X] Yes	[ ] No		5.
Short Hold Time Analysis (<72 hr)?	[ ] Yes	[X] No		6.
Rush Turn Around Time Requested?	[ ] Yes	[X] No		7.
Sufficient Volume?	[X] Yes	[ ] No		8.
Correct Containers Used?	[X] Yes	[ ] No		9.
-Pace Containers Used?	[X] Yes	[ ] No		
Containers Intact?	[X] Yes	[ ] No		10.
Filtered Volume Received for Dissolved Tests?	[ ] Yes	[ ] No	[X] N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	[X] Yes	[ ] No		12.
All containers needing acid/base preservation have been checked?	[ ] Yes	[ ] No	[X] N/A	13. [ ] HNO_3 [ ] H_2SO_4 [ ] NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	[ ] Yes	[ ] No	[X] N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	[ ] Yes	[ ] No	[X] N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	[ ] Yes	[ ] No	[X] N/A	14.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	15.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** [ ] Yes [ ] No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 10/31/2018

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

November 16, 2018

Laurence Brown
ATC Group Services LLC
6347 Seaview Avenue NW
Seattle, WA 98107

RE: Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Dear Laurence Brown:
Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Julie Bowser for
Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Brianne Goulet, ATC Group Services LLC
Elisabeth Silver, ATC Group Services LLC

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10454285001	**GW-8S-15**	Solid	10/30/18 09:55	11/03/18 09:55
10454285002	**GW-8S-40**	Solid	10/30/18 11:10	11/03/18 09:55
10454285003	**GW-10S-5.5**	Solid	10/29/18 09:25	11/03/18 09:55
10454285004	**GW-10S-15**	Solid	10/29/18 10:15	11/03/18 09:55
10454285005	**GW-10S-30**	Solid	10/29/18 10:55	11/03/18 09:55
10454285006	**GW-10S-40**	Solid	10/29/18 12:05	11/03/18 09:55
10454285007	**GW-16D-85**	Solid	10/26/18 14:25	11/03/18 09:55
10454285008	**GW-18S-50**	Solid	10/19/18 11:15	11/03/18 09:55

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10454285001	**GW-8S-15**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10454285002	**GW-8S-40**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10454285003	**GW-10S-5.5**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10454285004	**GW-10S-15**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10454285005	**GW-10S-30**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	GDM	7	PASI-M
10454285007	**GW-16D-85**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M
10454285008	**GW-18S-50**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	WG	1	PASI-M
		EPA 8260B	CD2	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-8S-15 **Lab ID: 10454285001** Collected: 10/30/18 09:55 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.68**	mg/kg	5.2	0.68	1	11/08/18 13:22	11/08/18 22:31		
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%.	50-150		1	11/08/18 13:22	11/08/18 22:31	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.1**	mg/kg	0.52	0.12	1	11/09/18 08:54	11/09/18 15:26	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.4**	%	0.10	0.10	1		11/12/18 09:04		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<2.9**	ug/kg	20.6	2.9	1	11/08/18 14:05	11/09/18 08:34	71-43-2	
Ethylbenzene	**<2.8**	ug/kg	51.4	2.8	1	11/08/18 14:05	11/09/18 08:34	100-41-4	
Toluene	**<12.5**	ug/kg	51.4	12.5	1	11/08/18 14:05	11/09/18 08:34	108-88-3	
Xylene (Total)	**<11.9**	ug/kg	154	11.9	1	11/08/18 14:05	11/09/18 08:34	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1	11/08/18 14:05	11/09/18 08:34	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1	11/08/18 14:05	11/09/18 08:34	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1	11/08/18 14:05	11/09/18 08:34	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-8S-40 **Lab ID: 10454285002** Collected: 10/30/18 11:10 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	11/08/18 13:22	11/08/18 22:48		
Surrogates									
a,a,a-Trifluorotoluene (S)	95	%.	50-150		1	11/08/18 13:22	11/08/18 22:48	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.53	0.12	1	11/09/18 08:54	11/09/18 15:28	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**7.1**	%	0.10	0.10	1		11/12/18 09:05		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	22.1	3.1	1	11/08/18 14:05	11/09/18 08:52	71-43-2	
Ethylbenzene	**<3.0**	ug/kg	55.2	3.0	1	11/08/18 14:05	11/09/18 08:52	100-41-4	
Toluene	**<13.5**	ug/kg	55.2	13.5	1	11/08/18 14:05	11/09/18 08:52	108-88-3	
Xylene (Total)	**<12.8**	ug/kg	166	12.8	1	11/08/18 14:05	11/09/18 08:52	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1	11/08/18 14:05	11/09/18 08:52	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	11/08/18 14:05	11/09/18 08:52	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125		1	11/08/18 14:05	11/09/18 08:52	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-10S-5.5 **Lab ID: 10454285003** Collected: 10/29/18 09:25 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.75**	mg/kg	5.7	0.75	1	11/08/18 13:22	11/08/18 19:59		
Surrogates									
a,a,a-Trifluorotoluene (S)	90	%.	50-150		1	11/08/18 13:22	11/08/18 19:59	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**2.2**	mg/kg	0.54	0.12	1	11/09/18 08:54	11/09/18 15:30	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**10.2**	%	0.10	0.10	1		11/12/18 09:07		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.0**	ug/kg	21.2	3.0	1	11/07/18 13:36	11/07/18 21:50	71-43-2	
Ethylbenzene	**<2.9**	ug/kg	53.1	2.9	1	11/07/18 13:36	11/07/18 21:50	100-41-4	
Toluene	**<13.0**	ug/kg	53.1	13.0	1	11/07/18 13:36	11/07/18 21:50	108-88-3	
Xylene (Total)	**<12.3**	ug/kg	637	12.3	1	11/07/18 13:36	11/07/18 21:50	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%.	75-125		1	11/07/18 13:36	11/07/18 21:50	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	11/07/18 13:36	11/07/18 21:50	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125		1	11/07/18 13:36	11/07/18 21:50	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-10S-15 **Lab ID: 10454285004** Collected: 10/29/18 10:15 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.71**	mg/kg	5.4	0.71	1	11/08/18 13:22	11/08/18 20:16		
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%.	50-150		1	11/08/18 13:22	11/08/18 20:16	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.53	0.12	1	11/09/18 08:54	11/09/18 15:31	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**8.4**	%	0.10	0.10	1		11/12/18 09:08		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.7	3.2	1	11/07/18 13:36	11/07/18 22:11	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	56.8	3.1	1	11/07/18 13:36	11/07/18 22:11	100-41-4	
Toluene	**<13.9**	ug/kg	56.8	13.9	1	11/07/18 13:36	11/07/18 22:11	108-88-3	
Xylene (Total)	**<13.2**	ug/kg	681	13.2	1	11/07/18 13:36	11/07/18 22:11	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%.	75-125		1	11/07/18 13:36	11/07/18 22:11	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	11/07/18 13:36	11/07/18 22:11	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1	11/07/18 13:36	11/07/18 22:11	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-10S-30 **Lab ID: 10454285005** Collected: 10/29/18 10:55 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.74**	mg/kg	5.6	0.74	1	11/08/18 13:22	11/08/18 20:33		
Surrogates									
a,a,a-Trifluorotoluene (S)	84	%.	50-150		1	11/08/18 13:22	11/08/18 20:33	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.2**	mg/kg	0.54	0.12	1	11/09/18 08:54	11/09/18 15:33	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**11.8**	%	0.10	0.10	1		11/12/18 09:10		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.1**	ug/kg	22.3	3.1	1	11/07/18 13:36	11/07/18 22:33	71-43-2	
Ethylbenzene	**<3.0**	ug/kg	55.8	3.0	1	11/07/18 13:36	11/07/18 22:33	100-41-4	
Toluene	**<13.6**	ug/kg	55.8	13.6	1	11/07/18 13:36	11/07/18 22:33	108-88-3	
Xylene (Total)	**<13.0**	ug/kg	670	13.0	1	11/07/18 13:36	11/07/18 22:33	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	75-125		1	11/07/18 13:36	11/07/18 22:33	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	11/07/18 13:36	11/07/18 22:33	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1	11/07/18 13:36	11/07/18 22:33	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-16D-85 **Lab ID: 10454285007** Collected: 10/26/18 14:25 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.84**	mg/kg	6.4	0.84	1	11/08/18 13:22	11/08/18 18:19		
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%.	50-150		1	11/08/18 13:22	11/08/18 18:19	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.56	0.13	1	11/09/18 08:54	11/09/18 15:35	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**15.6**	%	0.10	0.10	1		11/12/18 09:11		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.6**	ug/kg	25.5	3.6	1	11/06/18 14:12	11/07/18 02:27	71-43-2	
Ethylbenzene	**<3.5**	ug/kg	63.8	3.5	1	11/06/18 14:12	11/07/18 02:27	100-41-4	
Toluene	**<15.6**	ug/kg	63.8	15.6	1	11/06/18 14:12	11/07/18 02:27	108-88-3	
Xylene (Total)	**<14.8**	ug/kg	765	14.8	1	11/06/18 14:12	11/07/18 02:27	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	75-125		1	11/06/18 14:12	11/07/18 02:27	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	11/06/18 14:12	11/07/18 02:27	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1	11/06/18 14:12	11/07/18 02:27	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Sample: GW-18S-50 **Lab ID: 10454285008** Collected: 10/19/18 11:15 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.69**	mg/kg	5.3	0.69	1	11/07/18 09:42	11/07/18 17:41		H3
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	50-150		1	11/07/18 09:42	11/07/18 17:41	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.3**	mg/kg	0.53	0.12	1	11/09/18 08:54	11/09/18 15:41	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**6.1**	%	0.10	0.10	1		11/12/18 09:12		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<2.9**	ug/kg	20.9	2.9	1	11/05/18 14:58	11/05/18 21:49	71-43-2	
Ethylbenzene	**14.8J**	ug/kg	52.3	2.8	1	11/05/18 14:58	11/05/18 21:49	100-41-4	
Toluene	**12.9J**	ug/kg	52.3	12.8	1	11/05/18 14:58	11/05/18 21:49	108-88-3	
Xylene (Total)	**<12.1**	ug/kg	627	12.1	1	11/05/18 14:58	11/05/18 21:49	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%.	75-125		1	11/05/18 14:58	11/05/18 21:49	17060-07-0	H3
Toluene-d8 (S)	98	%.	75-125		1	11/05/18 14:58	11/05/18 21:49	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125		1	11/05/18 14:58	11/05/18 21:49	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 573741 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10454285008

METHOD BLANK: 3114104 Matrix: Solid
Associated Lab Samples: 10454285008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	11/07/18 16:00	
a,a,a-Trifluorotoluene (S)	%.	92	50-150		11/07/18 16:00	

LABORATORY CONTROL SAMPLE & LCSD: 3114105 3114106

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	44.2	44.5	88	89	54-125	1	20	
a,a,a-Trifluorotoluene (S)	%.				92	90	50-150			2M

MATRIX SPIKE SAMPLE: 3116223

Parameter	Units	10453809002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
TPH as Gas	mg/kg	100	60	104	7	70-130	C0,M1
a,a,a-Trifluorotoluene (S)	%.				102	50-150	

SAMPLE DUPLICATE: 3115842

Parameter	Units	10453809003 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	119	175	38	30	C0,D6
a,a,a-Trifluorotoluene (S)	%.	124	151	21		S2

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 574283 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007

METHOD BLANK: 3117361 Matrix: Solid
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	11/08/18 16:21	
a,a,a-Trifluorotoluene (S)	%.	97	50-150		11/08/18 16:21	

METHOD BLANK: 3117362 Matrix: Solid
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	11/08/18 16:38	
a,a,a-Trifluorotoluene (S)	%.	91	50-150		11/08/18 16:38	

LABORATORY CONTROL SAMPLE & LCSD: 3117363 3117364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	46.2	44.5	92	89	54-125	4	20	
a,a,a-Trifluorotoluene (S)	%.				95	88	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3117674 3117675

Parameter	Units	10453809005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	ND	56.2	57.5	56.6	56.4	101	98	70-130	0	30	
a,a,a-Trifluorotoluene (S)	%.						97	91	50-150			

SAMPLE DUPLICATE: 3117676

Parameter	Units	10454286001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.74	<0.75		30	
a,a,a-Trifluorotoluene (S)	%.	93	99	6		

SAMPLE DUPLICATE: 3117677

Parameter	Units	10454285002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.71	<0.69		30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

SAMPLE DUPLICATE: 3117677

Parameter	Units	10454285002 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	95	98	0		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 573745 Analysis Method: EPA 6010D
QC Batch Method: EPA 3050 Analysis Description: 6010D Solids
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007, 10454285008

METHOD BLANK: 3114145 Matrix: Solid
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007, 10454285008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.10	0.46	0.10	11/09/18 14:54	

LABORATORY CONTROL SAMPLE: 3114146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	45.9	43.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3114147 3114148

Parameter	Units	10454068001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	4.6	46.3	48.1	48.0	50.9	94	96	75-125	6	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 574772 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10454285001, 10454285002, 10454285003, 10454285004, 10454285005, 10454285007, 10454285008

SAMPLE DUPLICATE: 3120611

Parameter	Units	10454292039 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.8	24.8	0	30	

SAMPLE DUPLICATE: 3120612

Parameter	Units	10453902003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.1	21.8	25	30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 573391 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10454285008

METHOD BLANK: 3112446 Matrix: Solid
Associated Lab Samples: 10454285008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/05/18 21:05	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/05/18 21:05	
Toluene	ug/kg	<12.2	50.0	12.2	11/05/18 21:05	
Xylene (Total)	ug/kg	<11.6	600	11.6	11/05/18 21:05	MN
1,2-Dichloroethane-d4 (S)	%.	102	75-125		11/05/18 21:05	
4-Bromofluorobenzene (S)	%.	106	75-125		11/05/18 21:05	
Toluene-d8 (S)	%.	97	75-125		11/05/18 21:05	

LABORATORY CONTROL SAMPLE: 3112447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	770	77	61-125	
Ethylbenzene	ug/kg	1000	758	76	62-125	
Toluene	ug/kg	1000	790	79	61-125	
Xylene (Total)	ug/kg	3000	2220	74	62-125	
1,2-Dichloroethane-d4 (S)	%.			95	75-125	
4-Bromofluorobenzene (S)	%.			99	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3112448 3112449

Parameter	Units	10453976002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1090	1110	1370	1450	125	131	65-135	6	30	
Ethylbenzene	ug/kg	183	1090	1110	1390	1450	110	114	72-138	5	30	
Toluene	ug/kg	ND	1090	1110	1440	1500	129	133	65-142	4	30	
Xylene (Total)	ug/kg	1810	3290	3340	4150	4350	71	76	75-140	5	30	MS
1,2-Dichloroethane-d4 (S)	%.						94	94	75-125			1M
4-Bromofluorobenzene (S)	%.						101	101	75-125			
Toluene-d8 (S)	%.						100	98	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 573766
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV UST
Associated Lab Samples: 10454285007

METHOD BLANK: 3114225 Matrix: Solid
Associated Lab Samples: 10454285007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/07/18 01:02	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/07/18 01:02	
Toluene	ug/kg	<12.2	50.0	12.2	11/07/18 01:02	
Xylene (Total)	ug/kg	<11.6	600	11.6	11/07/18 01:02	MN
1,2-Dichloroethane-d4 (S)	%.	100	75-125		11/07/18 01:02	
4-Bromofluorobenzene (S)	%.	103	75-125		11/07/18 01:02	
Toluene-d8 (S)	%.	98	75-125		11/07/18 01:02	

LABORATORY CONTROL SAMPLE: 3114226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	948	95	61-125	
Ethylbenzene	ug/kg	1000	947	95	62-125	
Toluene	ug/kg	1000	998	100	61-125	
Xylene (Total)	ug/kg	3000	2720	91	62-125	
1,2-Dichloroethane-d4 (S)	%.			93	75-125	
4-Bromofluorobenzene (S)	%.			100	75-125	
Toluene-d8 (S)	%.			98	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3114227 3114228

Parameter	Units	10454143001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1260	1230	1380	1250	110	102	65-135	10	30	
Ethylbenzene	ug/kg	ND	1260	1230	1400	1350	111	110	72-138	3	30	
Toluene	ug/kg	ND	1260	1230	1430	1390	114	113	65-142	3	30	
Xylene (Total)	ug/kg	ND	3770	3680	4030	3930	107	107	75-140	2	30	
1,2-Dichloroethane-d4 (S)	%.						94	89	75-125			
4-Bromofluorobenzene (S)	%.						100	100	75-125			
Toluene-d8 (S)	%.						98	97	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 574011 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10454285003, 10454285004, 10454285005

METHOD BLANK: 3116001 Matrix: Solid
Associated Lab Samples: 10454285003, 10454285004, 10454285005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/07/18 19:43	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/07/18 19:43	
Toluene	ug/kg	<12.2	50.0	12.2	11/07/18 19:43	
Xylene (Total)	ug/kg	<11.6	600	11.6	11/07/18 19:43	MN
1,2-Dichloroethane-d4 (S)	%.	93	75-125		11/07/18 19:43	
4-Bromofluorobenzene (S)	%.	100	75-125		11/07/18 19:43	
Toluene-d8 (S)	%.	96	75-125		11/07/18 19:43	

LABORATORY CONTROL SAMPLE: 3116002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	1090	109	61-125	
Ethylbenzene	ug/kg	1000	1120	112	62-125	
Toluene	ug/kg	1000	1200	120	61-125	
Xylene (Total)	ug/kg	3000	3240	108	62-125	
1,2-Dichloroethane-d4 (S)	%.			86	75-125	
4-Bromofluorobenzene (S)	%.			94	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3116003 3116004

Parameter	Units	10454246001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1260	1260	1390	1740	110	139	65-135	22	30	M1
Ethylbenzene	ug/kg	ND	1260	1260	1490	1830	118	146	72-138	20	30	M1
Toluene	ug/kg	ND	1260	1260	1540	1900	121	151	65-142	21	30	M1
Xylene (Total)	ug/kg	ND	3800	3760	4370	5360	115	142	75-140	20	30	MS
1,2-Dichloroethane-d4 (S)	%.						88	91	75-125			
4-Bromofluorobenzene (S)	%.						98	100	75-125			
Toluene-d8 (S)	%.						99	99	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

QC Batch: 574210 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B Analysis Description: 8260B MSV UST
Associated Lab Samples: 10454285001, 10454285002

METHOD BLANK: 3117128 Matrix: Solid
Associated Lab Samples: 10454285001, 10454285002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/09/18 04:13	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/09/18 04:13	
Toluene	ug/kg	<12.2	50.0	12.2	11/09/18 04:13	
Xylene (Total)	ug/kg	<11.6	150	11.6	11/09/18 04:13	
1,2-Dichloroethane-d4 (S)	%.	100	75-125		11/09/18 04:13	
4-Bromofluorobenzene (S)	%.	99	75-125		11/09/18 04:13	
Toluene-d8 (S)	%.	100	75-125		11/09/18 04:13	

LABORATORY CONTROL SAMPLE: 3117129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	1010	101	61-125	
Ethylbenzene	ug/kg	1000	1060	106	62-125	
Toluene	ug/kg	1000	1080	108	61-125	
Xylene (Total)	ug/kg	3000	3160	105	62-125	
1,2-Dichloroethane-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			95	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3117130 3117131

Parameter	Units	10454286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<3.2	1130	1050	1300	1260	114	119	65-135	3	30	
Ethylbenzene	ug/kg	<3.1	1130	1050	1330	1310	118	124	72-138	2	30	
Toluene	ug/kg	<13.8	1130	1050	1330	1350	117	128	65-142	2	30	
Xylene (Total)	ug/kg	<13.1	3410	3150	4020	4060	118	129	75-140	1	30	
1,2-Dichloroethane-d4 (S)	%.						99	97	75-125			
4-Bromofluorobenzene (S)	%.						98	97	75-125			
Toluene-d8 (S)	%.						100	100	75-125			

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QUALIFIERS

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1M	Analysis suggests sample and QC sample duplicate are non-homogeneous. Results confirmed by second analysis.
2M	`
C0	Result confirmed by second analysis.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

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METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10454285

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10454285001	**GW-8S-15**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285002	**GW-8S-40**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285003	**GW-10S-5.5**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285004	**GW-10S-15**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285005	**GW-10S-30**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285007	**GW-16D-85**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454285008	**GW-18S-50**	NWTPH-Gx	573741	NWTPH-Gx	574069
10454285001	**GW-8S-15**	EPA 3050	573745	EPA 6010D	574651
10454285002	**GW-8S-40**	EPA 3050	573745	EPA 6010D	574651
10454285003	**GW-10S-5.5**	EPA 3050	573745	EPA 6010D	574651
10454285004	**GW-10S-15**	EPA 3050	573745	EPA 6010D	574651
10454285005	**GW-10S-30**	EPA 3050	573745	EPA 6010D	574651
10454285007	**GW-16D-85**	EPA 3050	573745	EPA 6010D	574651
10454285008	**GW-18S-50**	EPA 3050	573745	EPA 6010D	574651
10454285001	**GW-8S-15**	ASTM D2974	574772		
10454285002	**GW-8S-40**	ASTM D2974	574772		
10454285003	**GW-10S-5.5**	ASTM D2974	574772		
10454285004	**GW-10S-15**	ASTM D2974	574772		
10454285005	**GW-10S-30**	ASTM D2974	574772		
10454285007	**GW-16D-85**	ASTM D2974	574772		
10454285008	**GW-18S-50**	ASTM D2974	574772		
10454285001	**GW-8S-15**	EPA 5035/5030B	574210	EPA 8260B	574387
10454285002	**GW-8S-40**	EPA 5035/5030B	574210	EPA 8260B	574387
10454285003	**GW-10S-5.5**	EPA 5035/5030B	574011	EPA 8260B	574092
10454285004	**GW-10S-15**	EPA 5035/5030B	574011	EPA 8260B	574092
10454285005	**GW-10S-30**	EPA 5035/5030B	574011	EPA 8260B	574092
10454285007	**GW-16D-85**	EPA 5035/5030B	573766	EPA 8260B	573796
10454285008	**GW-18S-50**	EPA 5035/5030B	573391	EPA 8260B	573514

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed acc

WO# : 10454285

10454285

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1949 Fax:
Requested Due Date/TAT: Std.

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Boorun lawrence.boorun@atcgs.com
Purchase Order No:
Project Name: P66 - Burien
Project Number: 20760000.70

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH-Dx	BTEX by 8260B	EPA Total Lead by 6010/7000	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-8S-15	SL	G			10/30/18	0955		5	1						4			X	X	X			001
2	GW-8S-40					10/30/18	1110												X	X	X			002
3	GW-10S-5.5					10/29/18	0925												X	X	X			003
4	GW-10S-15					10/29/18	1015												X	X	X			004
5	GW-10S-30					10/29/18	1055												X	X	X			005
6	GW-10S-40					10/29/18	1205												X	X	X		HOLD	006
7	GW-16D-85					10/26/18	1425												X	X	X			007
8	GW-18S-50					10/19/18	1115												X	X	X		May need to extract ASAP (check hold time)	008
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	ATC	11/2/18	1223		11-2-18	1223	—	Y	N	Y
		11-2	1700	Pace	11/3/18	955	8.7	Y	Y	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Lawrence Boorun
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11/2/18

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-C-010-rev.00, 09Nov2017

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 31Oct2018 Page 1 of 2
	Document No.: **F-MN-L-213-rev.24**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC Group Services

Project #: **WO#: 10454285**

PM: JMG **Due Date: 11/16/18**

CLIENT: P66_CarWA

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 4486 7789 6870

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ G87A9170600254 ☑ G87A9155100842 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Cooler Temp Read (°C): 2.7 **Cooler Temp Corrected (°C):** 2.7 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** Thm **Date and Initials of Person Examining Contents:** HE 11/3/18

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No		1.
Chain of Custody Filled Out?	☑ Yes	☐ No		2.
Chain of Custody Relinquished?	☑ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		6.
Rush Turn Around Time Requested?	☐ Yes	☑ No		7.
Sufficient Volume?	☑ Yes	☐ No		8.
Correct Containers Used?	☑ Yes	☐ No		9.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	☑ Yes	☐ No		12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased): NA				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: email Date/Time: 11/5/18

Comments/Resolution: Ok to proceed with sample 008 OOH per the client.

Project Manager Review: Lyndsay Hunter **Date:** 11/5/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: HE

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

October 30, 2018

Laurence Brown
ATC Group Services LLC
6347 Seaview Avenue NW
Seattle, WA 98107

RE: Project: Z076000070
Pace Project No.: 10452536

Dear Laurence Brown:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Brianne Goulet, ATC Group Services LLC
Elisabeth Silver, ATC Group Services LLC

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CERTIFICATIONS

Project: Z076000070
Pace Project No.: 10452536

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070
Pace Project No.: 10452536

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10452536001	**Disp-1**	Solid	10/16/18 17:10	10/20/18 09:00

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SAMPLE ANALYTE COUNT

Project: Z076000070
Pace Project No.: 10452536

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10452536001	**Disp-1**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	IP	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	GDM	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070
Pace Project No.: 10452536

Sample: Disp-1 **Lab ID: 10452536001** Collected: 10/16/18 17:10 Received: 10/20/18 09:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**1.2J**	mg/kg	5.8	0.76	1	10/25/18 10:56	10/25/18 16:49		
Surrogates									
a,a,a-Trifluorotoluene (S)	81	%.	50-150		1	10/25/18 10:56	10/25/18 16:49	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.7**	mg/kg	0.54	0.12	1	10/24/18 06:05	10/25/18 12:59	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**12.9**	%	0.10	0.10	1		10/26/18 13:35		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	23.0	3.2	1	10/23/18 13:01	10/24/18 03:43	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	57.5	3.1	1	10/23/18 13:01	10/24/18 03:43	100-41-4	
Toluene	**<14.0**	ug/kg	57.5	14.0	1	10/23/18 13:01	10/24/18 03:43	108-88-3	
Xylene (Total)	**<13.3**	ug/kg	173	13.3	1	10/23/18 13:01	10/24/18 03:43	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	86	%.	75-125		1	10/23/18 13:01	10/24/18 03:43	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1	10/23/18 13:01	10/24/18 03:43	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		1	10/23/18 13:01	10/24/18 03:43	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070
Pace Project No.: 10452536

QC Batch: 571454 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10452536001

METHOD BLANK: 3100312 Matrix: Solid
Associated Lab Samples: 10452536001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	10/25/18 13:06	
a,a,a-Trifluorotoluene (S)	%.	93	50-150		10/25/18 13:06	

LABORATORY CONTROL SAMPLE & LCSD: 3100313 3100314

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	45.4	47.9	91	96	54-125	5	20	
a,a,a-Trifluorotoluene (S)	%.				71	71	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3100388 3100389

Parameter	Units	10452185001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	126	55	57	173	259	86	234	70-130	40	30	C0,M1, R1
a,a,a-Trifluorotoluene (S)	%.						74	78	50-150			

SAMPLE DUPLICATE: 3100387

Parameter	Units	10452536001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	1.2J	<0.79		30	
a,a,a-Trifluorotoluene (S)	%.	81	77	1		

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QUALITY CONTROL DATA

Project: Z076000070
Pace Project No.: 10452536

QC Batch: 571068
QC Batch Method: EPA 3050
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Associated Lab Samples: 10452536001

METHOD BLANK: 3098562 Matrix: Solid
Associated Lab Samples: 10452536001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.11	0.48	0.11	10/25/18 12:54	

LABORATORY CONTROL SAMPLE: 3098563

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	48.7	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3098564 3098565

Parameter	Units	10452755001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	87.9	53.7	52.6	83.7	93.1	-8	10	75-125	11	20	M1

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QUALITY CONTROL DATA

Project: Z076000070
Pace Project No.: 10452536

QC Batch: 571788
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10452536001

SAMPLE DUPLICATE: 3102303

Parameter	Units	10452804007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.2	15.5	9	30	

SAMPLE DUPLICATE: 3102324

Parameter	Units	10452804022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.5	11.5	8	30	

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QUALITY CONTROL DATA

Project: Z076000070
Pace Project No.: 10452536

QC Batch: 570963 — Analysis Method: EPA 8260B
QC Batch Method: EPA 5035/5030B — Analysis Description: 8260B MSV UST
Associated Lab Samples: 10452536001

METHOD BLANK: 3097789 — Matrix: Solid
Associated Lab Samples: 10452536001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	10/23/18 16:20	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	10/23/18 16:20	
Toluene	ug/kg	<12.2	50.0	12.2	10/23/18 16:20	
Xylene (Total)	ug/kg	<11.6	150	11.6	10/23/18 16:20	
1,2-Dichloroethane-d4 (S)	%.	87	75-125		10/23/18 16:20	
4-Bromofluorobenzene (S)	%.	95	75-125		10/23/18 16:20	
Toluene-d8 (S)	%.	100	75-125		10/23/18 16:20	

LABORATORY CONTROL SAMPLE: 3097790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	674	67	61-125	
Ethylbenzene	ug/kg	1000	757	76	62-125	
Toluene	ug/kg	1000	747	75	61-125	
Xylene (Total)	ug/kg	3000	2280	76	62-125	
1,2-Dichloroethane-d4 (S)	%.			88	75-125	
4-Bromofluorobenzene (S)	%.			98	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3097791 3097792

Parameter	Units	10452037013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1390	1370	1330	1290	96	94	65-135	3	30	
Ethylbenzene	ug/kg	ND	1390	1370	1480	1410	107	103	72-138	5	30	
Toluene	ug/kg	ND	1390	1370	1460	1390	106	101	65-142	5	30	
Xylene (Total)	ug/kg	ND	4160	4130	4560	4370	110	106	75-140	4	30	
1,2-Dichloroethane-d4 (S)	%.						89	91	75-125			
4-Bromofluorobenzene (S)	%.						98	97	75-125			
Toluene-d8 (S)	%.						101	98	75-125			

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QUALIFIERS

Project: Z076000070
Pace Project No.: 10452536

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

C0	Result confirmed by second analysis.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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METHOD CROSS REFERENCE TABLE

Project: Z076000070
Pace Project No.: 10452536

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070
Pace Project No.: 10452536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10452536001	**Disp-1**	NWTPH-Gx	571454	NWTPH-Gx	571534
10452536001	**Disp-1**	EPA 3050	571068	EPA 6010D	571204
10452536001	**Disp-1**	ASTM D2974	571788		
10452536001	**Disp-1**	EPA 5035/5030B	570963	EPA 8260B	571200

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

2297334

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Standard TAT

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Brown lawrence.brown@atcgs.com
Purchase Order No.:
Project Name:
Project Number: 307600070

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NWTPH-Gx BTEX by 8260B Naphthalene by 8270D	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Disp - 1	SL		10/16/18	1700	10/16/18	1710		6	2						4		X X X		
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

WO#: 10452536

10452536

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Lawrence Brown / ATC	10/19/18	0940		10-19-18	0940	2.7
		10-19-18			10-20-18	930	5.5

SAMPLE CONDITIONS: Temp in °C; Received on Ice (Y/N); Custody Sealed Cooler (Y/N); Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lawrence Brown

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10/19/2018

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 02May2018 Page 1 of 2
	Document No.: F-MN-L-213-rev.23	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: ATC Group

Project #: WO#: 10452536

PM: JMG Due Date: 11/02/18

CLIENT: P66_CarWA

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐SpeeDee ☐Other:

Tracking Number: 448677871406; 1497

Custody Seal on Cooler/Box Present? ☒Yes ☐No **Seals Intact?** ☒Yes ☐No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒Bubble Wrap ☒Bubble Bags ☐None ☐Other: **Temp Blank?** ☒Yes ☐No

Thermometer Used: ☒G87A9170600254 ☐G87A9155100842

Type of Ice: ☒Wet ☐Blue ☐None ☐Dry ☐Melted

Cooler Temp Read (°C): 2.5, 5.3 **Cooler Temp Corrected (°C):** 2.7, 5.5 **Biological Tissue Frozen?** ☐Yes ☐No ☒N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.2 **Date and Initials of Person Examining Contents:** CMJ 10-20-18

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐Yes ☐No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐Yes ☐No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☒Yes	☐No		1.
Chain of Custody Filled Out?	☒Yes	☐No		2.
Chain of Custody Relinquished?	☒Yes	☐No		3.
Sampler Name and/or Signature on COC?	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time?	☒Yes	☐No		5.
Short Hold Time Analysis (<72 hr)?	☐Yes	☒No		6.
Rush Turn Around Time Requested?	☐Yes	☒No		7.
Sufficient Volume?	☒Yes	☐No		8.
Correct Containers Used?	☒Yes	☐No		9.
-Pace Containers Used?	☒Yes	☐No		
Containers Intact?	☒Yes	☐No		10.
Filtered Volume Received for Dissolved Tests?	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	☒Yes	☐No		12.
All containers needing acid/base preservation have been checked?	☐Yes	☐No	☒N/A	13. ☐HNO_3 ☐H_2SO_4 ☐NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐Yes	☐No	☒N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐Yes	☐No	☒N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐Yes	☐No	☒N/A	14.
Trip Blank Present?	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present?	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐Yes ☐No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Jenni Gross Date: 10/22/18

Note: Whenever there is a discrepancy affecting North Caro nples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
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(612)607-1700

November 15, 2018

Laurence Brown
ATC Group Services LLC
6347 Seaview Avenue NW
Seattle, WA 98107

RE: Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Dear Laurence Brown:
Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Oyeyemi Odujole for
Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Brianne Goulet, ATC Group Services LLC
Elisabeth Silver, ATC Group Services LLC

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10454286001	**Disp-2**	Solid	10/29/18 09:05	11/03/18 09:55

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10454286001	**Disp-2**	NWTPH-Gx	AJR	2	PASI-M
		EPA 6010D	DM	1	PASI-M
		ASTM D2974	JDL	1	PASI-M
		EPA 8260B	CD2	7	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Sample: Disp-2 **Lab ID: 10454286001** Collected: 10/29/18 09:05 Received: 11/03/18 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx								
TPH as Gas	**<0.74**	mg/kg	5.7	0.74	1	11/08/18 13:22	11/08/18 20:50		
Surrogates									
a,a,a-Trifluorotoluene (S)	93	%.	50-150		1	11/08/18 13:22	11/08/18 20:50	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3050								
Lead	**1.5**	mg/kg	0.53	0.12	1	11/09/18 08:54	11/09/18 15:43	7439-92-1	
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974								
Percent Moisture	**9.0**	%	0.10	0.10	1		11/13/18 12:30		
8260B MSV UST	Analytical Method: EPA 8260B Preparation Method: EPA 5035/5030B								
Benzene	**<3.2**	ug/kg	22.6	3.2	1	11/08/18 14:05	11/09/18 05:09	71-43-2	
Ethylbenzene	**<3.1**	ug/kg	56.5	3.1	1	11/08/18 14:05	11/09/18 05:09	100-41-4	
Toluene	**<13.8**	ug/kg	56.5	13.8	1	11/08/18 14:05	11/09/18 05:09	108-88-3	
Xylene (Total)	**<13.1**	ug/kg	169	13.1	1	11/08/18 14:05	11/09/18 05:09	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	75-125		1	11/08/18 14:05	11/09/18 05:09	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1	11/08/18 14:05	11/09/18 05:09	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1	11/08/18 14:05	11/09/18 05:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

QC Batch: 574283 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 10454286001

METHOD BLANK: 3117361 Matrix: Solid
Associated Lab Samples: 10454286001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	11/08/18 16:21	
a,a,a-Trifluorotoluene (S)	%.	97	50-150		11/08/18 16:21	

METHOD BLANK: 3117362 Matrix: Solid
Associated Lab Samples: 10454286001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	mg/kg	<0.66	5.0	0.66	11/08/18 16:38	
a,a,a-Trifluorotoluene (S)	%.	91	50-150		11/08/18 16:38	

LABORATORY CONTROL SAMPLE & LCSD: 3117363 3117364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	50	46.2	44.5	92	89	54-125	4	20	
a,a,a-Trifluorotoluene (S)	%.				95	88	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3117674 3117675

Parameter	Units	10453809005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	mg/kg	ND	56.2	57.5	56.6	56.4	101	98	70-130	0	30	
a,a,a-Trifluorotoluene (S)	%.						97	91	50-150			

SAMPLE DUPLICATE: 3117676

Parameter	Units	10454286001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.74	<0.75		30	
a,a,a-Trifluorotoluene (S)	%.	93	99	6		

SAMPLE DUPLICATE: 3117677

Parameter	Units	10454285002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	mg/kg	<0.71	<0.69		30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

SAMPLE DUPLICATE: 3117677

Parameter	Units	10454285002 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	95	98	0		

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

QC Batch: 573745
QC Batch Method: EPA 3050
Analysis Method: EPA 6010D
Analysis Description: 6010D Solids
Associated Lab Samples: 10454286001

METHOD BLANK: 3114145 Matrix: Solid
Associated Lab Samples: 10454286001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/kg	<0.10	0.46	0.10	11/09/18 14:54	

LABORATORY CONTROL SAMPLE: 3114146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	45.9	43.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3114147 3114148

Parameter	Units	10454068001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	4.6	46.3	48.1	48.0	50.9	94	96	75-125	6	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

QC Batch: 574779
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Associated Lab Samples: 10454286001

SAMPLE DUPLICATE: 3120625

Parameter	Units	10454763001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.8	12.6	2	30	

SAMPLE DUPLICATE: 3122142

Parameter	Units	10454935001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.0	11.1	1	30	

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QUALITY CONTROL DATA

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

QC Batch: 574210
QC Batch Method: EPA 5035/5030B
Associated Lab Samples: 10454286001

Analysis Method: EPA 8260B
Analysis Description: 8260B MSV UST

METHOD BLANK: 3117128 Matrix: Solid
Associated Lab Samples: 10454286001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/kg	<2.8	20.0	2.8	11/09/18 04:13	
Ethylbenzene	ug/kg	<2.7	50.0	2.7	11/09/18 04:13	
Toluene	ug/kg	<12.2	50.0	12.2	11/09/18 04:13	
Xylene (Total)	ug/kg	<11.6	150	11.6	11/09/18 04:13	
1,2-Dichloroethane-d4 (S)	%.	100	75-125		11/09/18 04:13	
4-Bromofluorobenzene (S)	%.	99	75-125		11/09/18 04:13	
Toluene-d8 (S)	%.	100	75-125		11/09/18 04:13	

LABORATORY CONTROL SAMPLE: 3117129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1000	1010	101	61-125	
Ethylbenzene	ug/kg	1000	1060	106	62-125	
Toluene	ug/kg	1000	1080	108	61-125	
Xylene (Total)	ug/kg	3000	3160	105	62-125	
1,2-Dichloroethane-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			95	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3117130 3117131

Parameter	Units	10454286001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<3.2	1130	1050	1300	1260	114	119	65-135	3	30	
Ethylbenzene	ug/kg	<3.1	1130	1050	1330	1310	118	124	72-138	2	30	
Toluene	ug/kg	<13.8	1130	1050	1330	1350	117	128	65-142	2	30	
Xylene (Total)	ug/kg	<13.1	3410	3150	4020	4060	118	129	75-140	1	30	
1,2-Dichloroethane-d4 (S)	%.						99	97	75-125			
4-Bromofluorobenzene (S)	%.						98	97	75-125			
Toluene-d8 (S)	%.						100	100	75-125			

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(612)607-1700

QUALIFIERS

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Solid	SW-846 8260B	SW-846 5035A

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66-Burien
Pace Project No.: 10454286

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10454286001	**Disp-2**	NWTPH-Gx	574283	NWTPH-Gx	574364
10454286001	**Disp-2**	EPA 3050	573745	EPA 6010D	574651
10454286001	**Disp-2**	ASTM D2974	574779		
10454286001	**Disp-2**	EPA 5035/5030B	574210	EPA 8260B	574387

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CHAIN-OF-CUSTODY / Analytical Request Docum

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accur

WO# : 10454286

10454286

2297737

Section A
Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT: Std.

Section B
Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Braun lawrence.braun@atcgs.com
Purchase Order No.:
Project Name: P66 - Burien
Project Number: 207602070

Section C
Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: NWTPH-Gx	BTEX by 8260B	Total Lead EPA 6000/7000	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Disp-2	SL	C	10/29/18	0850	10/29/18	0905		6	2						4		X	X	X		001
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	ATC	11/2/18	1322		11-2-18	1220	~	Y	N	Y
		11-3	12?-	Pace	11/3/18	955	2.7	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lawrence Braun

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11/2/2018

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-C-010-rev.00, 09Nov2017

Sample Condition Upon Receipt

Client Name: ATC Group Services

Project #: WO#: 10454286

PM: JMG Due Date: 11/16/18

CLIENT: P66_CarWA

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 4486 7789 6870

Custody Seal on Cooler/Box Present? ☑ Yes ☐ No **Seals Intact?** ☑ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ G87A9170600254 ☑ G87A9155100842 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Cooler Temp Read (°C): 2.7 **Cooler Temp Corrected (°C):** 2.7 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** True **Date and Initials of Person Examining Contents:** HF 11/3/18

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No		1.
Chain of Custody Filled Out?	☑ Yes	☐ No		2.
Chain of Custody Relinquished?	☑ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		6.
Rush Turn Around Time Requested?	☐ Yes	☑ No		7.
Sufficient Volume?	☑ Yes	☐ No		8.
Correct Containers Used?	☑ Yes	☐ No		9.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: SL	☑ Yes	☐ No		12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☑ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased): N/A				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Dyfozia Hunter Date: 11/5/18

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: HF

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

November 13, 2018

ATC Group Services LLC - Seattle, WA

Sample Delivery Group:	L1042031
Samples Received:	11/07/2018
Project Number:	Z076000070
Description:	P66-Burien

Report To: Laurence Brown
6347 Seaview Avenue NW
Seattle, WA 98107

Entire Report Reviewed By: Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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DISP-3 L1042031-01 GW

Collected by	Collected date/time	Received date/time
Laurence Brown	11/02/18 14:00	11/07/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Metals (ICP) by Method 6010D	WG1193153	1	11/08/18 14:22	11/08/18 22:50	CCE
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1193933	1	11/12/18 08:06	11/12/18 08:06	BMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1193520	1	11/08/18 18:20	11/08/18 18:20	ACG
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1193906	10	11/09/18 15:45	11/09/18 15:45	PP

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead	U		1.90	5.00	1	11/08/2018 22:50	WG1193153

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Gasoline Range Organics-NWTPH	1310		31.6	100	1	11/12/2018 08:06	WG1193933
(S) a,a,a-Trifluorotoluene(FID)	*101*			*78.0-120*		*11/12/2018 08:06*	WG1193933

Volatile Organic Compounds (GC/MS) by Method 8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzene	1.68		0.331	1.00	1	11/08/2018 18:20	WG1193520
Toluene	335		4.12	10.0	10	11/09/2018 15:45	WG1193906
Ethylbenzene	21.5		0.384	1.00	1	11/08/2018 18:20	WG1193520
Total Xylenes	313		1.06	3.00	1	11/08/2018 18:20	WG1193520
(S) Toluene-d8	*107*			*80.0-120*		*11/08/2018 18:20*	WG1193520
(S) Toluene-d8	*101*			*80.0-120*		*11/09/2018 15:45*	WG1193906
(S) Dibromofluoromethane	*88.8*			*75.0-120*		*11/08/2018 18:20*	WG1193520
(S) Dibromofluoromethane	*105*			*75.0-120*		*11/09/2018 15:45*	WG1193906
(S) a,a,a-Trifluorotoluene	*105*			*80.0-120*		*11/08/2018 18:20*	WG1193520
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*		*11/09/2018 15:45*	WG1193906
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*11/08/2018 18:20*	WG1193520
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*11/09/2018 15:45*	WG1193906

Method Blank (MB)

(MB) R3358355-1 11/08/18 22:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Lead	U		1.90	5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3358355-2 11/08/18 22:28 • (LCSD) R3358355-3 11/08/18 22:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Lead	1000	988	988	98.8	98.8	80.0-120			0.00559	20

L1041870-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1041870-01 11/08/18 22:33 • (MS) R3358355-5 11/08/18 22:38 • (MSD) R3358355-6 11/08/18 22:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	1000	18.6	1010	1000	98.9	98.1	1	75.0-125			0.768	20

Method Blank (MB)

(MB) R3358987-3 11/12/18 04:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*78.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3358987-1 11/12/18 03:38 • (LCSD) R3358987-2 11/12/18 03:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	5190	5130	94.4	93.2	70.0-124			1.25	20
(S) a,a,a-Trifluorotoluene(FID)				*96.7*	*97.0*	*78.0-120*				

L1042561-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1042561-02 11/12/18 12:33 • (MS) R3358987-4 11/12/18 12:53 • (MSD) R3358987-5 11/12/18 13:14

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500		2520	2360	45.7	42.9	1	10.0-155			6.34	21
(S) a,a,a-Trifluorotoluene(FID)					*101*	*102*		*78.0-120*				

Method Blank (MB)

(MB) R3358379-4 11/08/18 13:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Benzene	U		0.331	1.00
Ethylbenzene	U		0.384	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*107*			*80.0-120*
(S) Dibromofluoromethane	*90.0*			*75.0-120*
(S) a,a,a-Trifluorotoluene	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3358379-1 11/08/18 12:11 • (LCSD) R3358379-2 11/08/18 12:30

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Benzene	25.0	22.4	22.4	89.7	89.6	70.0-123			0.0426	20
Ethylbenzene	25.0	25.1	25.5	100	102	79.0-123			1.66	20
Xylenes, Total	75.0	76.5	76.7	102	102	79.0-123			0.261	20
(S) Toluene-d8				*103*	*106*	*80.0-120*				
(S) Dibromofluoromethane				*90.6*	*90.4*	*75.0-120*				
(S) a,a,a-Trifluorotoluene				*106*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.3*	*96.6*	*77.0-126*				

Method Blank (MB)

(MB) R3358721-3 11/09/18 14:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Toluene	U		0.412	1.00
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*103*			*75.0-120*
(S) a,a,a-Trifluorotoluene	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3358721-1 11/09/18 13:24 • (LCSD) R3358721-2 11/09/18 13:43

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Toluene	25.0	21.3	21.3	85.2	85.0	79.0-120			0.197	20
(S) Toluene-d8				*100*	*99.8*	*80.0-120*				
(S) Dibromofluoromethane				*103*	*101*	*75.0-120*				
(S) a,a,a-Trifluorotoluene				*102*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*107*	*77.0-126*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

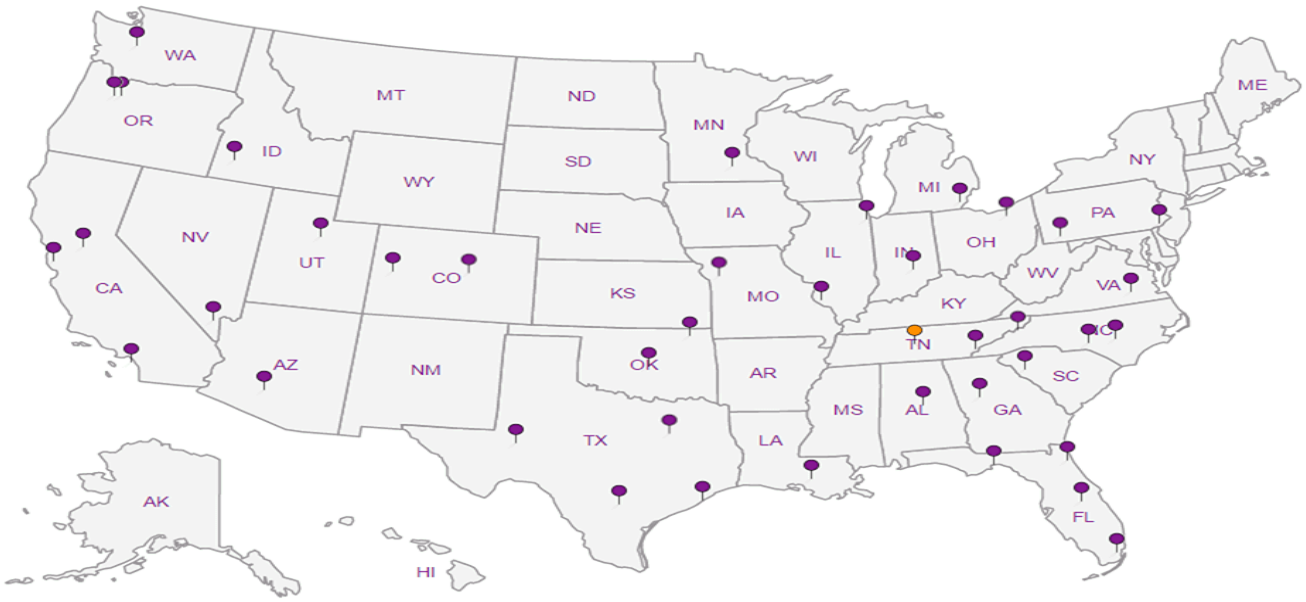
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

C061

Page: 1 of 1

2297733

Section A Required Client Information:

Company: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Email To: elisabeth.silver@atcgs.com
Phone: 206-781-1449 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Elisabeth Silver
Copy To: Lawrence Brown
Purchase Order No.:
Project Name: P66 - Burien
Project Number: 2076000070

Section C Invoice Information:

Attention: Accounts Payable
Company Name: ATC Group Services
Address: 6347 Seaview Ave NW Seattle, WA 98107
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

L1042031

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH-Gx	BTEX by 8260B	Total Lead 6010 Pb	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Disp-3	WT	C	11/2/18	1330	11/2/18	1400		12		2	10						X	X	X		-01
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	ATC	11/5/18	1522	DHL	11/5/18	1522				
					11/7/18	945	2.1	Y	Y	Y

OK

RAD SCREEN: <0.5 mR/hr

ORIGINAL

Cooler 2.0 +0.1 2.1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Lawrence Brown

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 11/5/2018

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-C-010-rev.00, 09Nov2017

0271

LL

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	SDG#	L1042031
Cooler Received/Opened On: 11/7/18	Temperature:	2.1
Received By: Patrick Nshizirungu		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable		✓	
VOA Zero headspace?			
Preservation Correct / Checked?		✓	

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

December 31, 2018

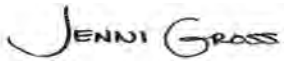
Elisabeth Silver
ATC Group Services LLC
6347 Seaview Ave NW
Seattle, WA 98107

RE: Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Dear Elisabeth Silver:
Enclosed are the analytical results for sample(s) received by the laboratory on December 15, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Gross
jennifer.gross@pacelabs.com
(206)957-2426
Project Manager

Enclosures

cc: Brianne Goulet, ATC Group Services LLC

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10459013007	**GW-7**	Water	12/13/18 09:35	12/15/18 09:30
10459013003	**GW-8**	Water	12/12/18 10:00	12/15/18 09:30
10459013004	**GW-9**	Water	12/12/18 11:00	12/15/18 09:30
10459013008	**GW-10**	Water	12/13/18 10:20	12/15/18 09:30
10459013009	**GW-10S**	Water	12/13/18 10:50	12/15/18 09:30
10459013005	**GW-11**	Water	12/12/18 13:50	12/15/18 09:30
10459013006	**GW-12**	Water	12/12/18 12:05	12/15/18 09:30
10459013010	**GW-13D**	Water	12/13/18 11:30	12/15/18 09:30
10459013011	**GW-13S**	Water	12/13/18 12:00	12/15/18 09:30
10459013015	**GW-14D**	Water	12/13/18 15:40	12/15/18 09:30
10459013002	**GW-14S**	Water	12/11/18 16:25	12/15/18 09:30
10459013012	**GW-15D**	Water	12/13/18 14:35	12/15/18 09:30
10459013013	**GW-16D**	Water	12/13/18 14:20	12/15/18 09:30
10459013014	**GW-17D**	Water	12/13/18 15:00	12/15/18 09:30
10459013001	**GW-18D**	Water	12/11/18 15:10	12/15/18 09:30
10459013016	**TRIP BLANK**	Water	12/11/18 00:00	12/15/18 09:30

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10459013007	**GW-7**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	GD1	7	PASI-M
10459013003	**GW-8**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	DS2	7	PASI-M
10459013004	**GW-9**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	DS2	7	PASI-M
10459013008	**GW-10**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	GD1	7	PASI-M
10459013009	**GW-10S**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	GD1	7	PASI-M
10459013005	**GW-11**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	DS2	7	PASI-M
10459013006	**GW-12**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	DS2	7	PASI-M
10459013010	**GW-13D**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	GD1	7	PASI-M
10459013011	**GW-13S**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	GD1	7	PASI-M
10459013015	**GW-14D**	NWTPH-Gx	AG1	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10459013002	**GW-14S**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	DS2, MJD	7	PASI-M
10459013012	**GW-15D**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10459013013	**GW-16D**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10459013014	**GW-17D**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	AEZ	7	PASI-M
10459013001	**GW-18D**	NWTPH-Gx	AG1	2	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 6010D	BD1	1	PASI-M
		EPA 8260B	MJD	7	PASI-M
10459013016	**TRIP BLANK**	EPA 8260B	MJD	4	PASI-M

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-7 **Lab ID: 10459013007** Collected: 12/13/18 09:35 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/24/18 22:39		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	56	%.	50-150		1		12/24/18 22:39	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**11.6**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:34	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:51	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**4.4**	ug/L	1.0	0.10	1		12/23/18 17:09	71-43-2	
Ethylbenzene	**0.31J**	ug/L	1.0	0.14	1		12/23/18 17:09	100-41-4	
Toluene	**1.7**	ug/L	1.0	0.083	1		12/23/18 17:09	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/23/18 17:09	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%.	75-125		1		12/23/18 17:09	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		12/23/18 17:09	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1		12/23/18 17:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-8 **Lab ID: 10459013003** Collected: 12/12/18 10:00 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/19/18 22:53		
Surrogates									
a,a,a-Trifluorotoluene (S)	67	%.	50-150		1		12/19/18 22:53	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.2J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:27	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:44	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/22/18 13:33	71-43-2	
Ethylbenzene	**0.28J**	ug/L	1.0	0.14	1		12/22/18 13:33	100-41-4	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/22/18 13:33	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/22/18 13:33	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		12/22/18 13:33	17060-07-0	
Toluene-d8 (S)	107	%.	75-125		1		12/22/18 13:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		12/22/18 13:33	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-9 **Lab ID: 10459013004** Collected: 12/12/18 11:00 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/19/18 16:40		
Surrogates									
a,a,a-Trifluorotoluene (S)	61	%.	50-150		1		12/19/18 16:40	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:29	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:46	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/22/18 13:50	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/22/18 13:50	100-41-4	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/22/18 13:50	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/22/18 13:50	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		1		12/22/18 13:50	17060-07-0	
Toluene-d8 (S)	100	%.	75-125		1		12/22/18 13:50	2037-26-5	
4-Bromofluorobenzene (S)	82	%.	75-125		1		12/22/18 13:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-10 **Lab ID: 10459013008** Collected: 12/13/18 10:20 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/24/18 22:55		G+,G-
Surrogates									
a,a,a-Trifluorotoluene (S)	57	%.	50-150		1		12/24/18 22:55	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.9J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:36	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:53	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**1.5**	ug/L	1.0	0.10	1		12/27/18 15:03	71-43-2	
Ethylbenzene	**0.18J**	ug/L	1.0	0.14	1		12/27/18 15:03	100-41-4	
Toluene	**0.90J**	ug/L	1.0	0.083	1		12/27/18 15:03	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/27/18 15:03	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%.	75-125		1		12/27/18 15:03	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1		12/27/18 15:03	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125		1		12/27/18 15:03	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-10S **Lab ID: 10459013009** Collected: 12/13/18 10:50 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/24/18 23:12		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	70	%.	50-150		1		12/24/18 23:12	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:37	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:54	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**0.37J**	ug/L	1.0	0.10	1		12/23/18 17:43	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/23/18 17:43	100-41-4	
Toluene	**0.32J**	ug/L	1.0	0.083	1		12/23/18 17:43	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/23/18 17:43	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%.	75-125		1		12/23/18 17:43	17060-07-0	
Toluene-d8 (S)	122	%.	75-125		1		12/23/18 17:43	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	75-125		1		12/23/18 17:43	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-11 **Lab ID: 10459013005** Collected: 12/12/18 13:50 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/22/18 03:02		
Surrogates									
a,a,a-Trifluorotoluene (S)	51	%.	50-150		1		12/22/18 03:02	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**3.0J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:31	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:48	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/22/18 14:07	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/22/18 14:07	100-41-4	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/22/18 14:07	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/22/18 14:07	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	75-125		1		12/22/18 14:07	17060-07-0	
Toluene-d8 (S)	99	%.	75-125		1		12/22/18 14:07	2037-26-5	
4-Bromofluorobenzene (S)	85	%.	75-125		1		12/22/18 14:07	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-12 **Lab ID: 10459013006** Collected: 12/12/18 12:05 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/19/18 18:39		
Surrogates									
a,a,a-Trifluorotoluene (S)	62	%.	50-150		1		12/19/18 18:39	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.8J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:32	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:49	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/22/18 14:24	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/22/18 14:24	100-41-4	
Toluene	**<0.083**	ug/L	1.0	0.083	1		12/22/18 14:24	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/22/18 14:24	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		12/22/18 14:24	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1		12/22/18 14:24	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125		1		12/22/18 14:24	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-13D **Lab ID: 10459013010** Collected: 12/13/18 11:30 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/25/18 00:20		
Surrogates									
a,a,a-Trifluorotoluene (S)	53	%.	50-150		1		12/25/18 00:20	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**10.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:42	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:56	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**0.98J**	ug/L	1.0	0.10	1		12/23/18 14:03	71-43-2	
Ethylbenzene	**0.15J**	ug/L	1.0	0.14	1		12/23/18 14:03	100-41-4	
Toluene	**0.74J**	ug/L	1.0	0.083	1		12/23/18 14:03	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/23/18 14:03	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	75-125		1		12/23/18 14:03	17060-07-0	
Toluene-d8 (S)	114	%.	75-125		1		12/23/18 14:03	2037-26-5	
4-Bromofluorobenzene (S)	86	%.	75-125		1		12/23/18 14:03	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-13S **Lab ID: 10459013011** Collected: 12/13/18 12:00 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**9380**	ug/L	1000	196	10		12/27/18 16:46		
Surrogates									
a,a,a-Trifluorotoluene (S)	74	%.	50-150		10		12/27/18 16:46	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:44	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:58	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**41.3**	ug/L	1.0	0.10	1		12/23/18 17:59	71-43-2	
Ethylbenzene	**230**	ug/L	10.0	1.4	10		12/27/18 03:43	100-41-4	
Toluene	**14.0**	ug/L	1.0	0.083	1		12/23/18 17:59	108-88-3	
Xylene (Total)	**882**	ug/L	30.0	3.1	10		12/27/18 03:43	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%.	75-125		1		12/23/18 17:59	17060-07-0	
Toluene-d8 (S)	118	%.	75-125		1		12/23/18 17:59	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		12/23/18 17:59	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-14D **Lab ID: 10459013015** Collected: 12/13/18 15:40 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/25/18 01:45		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	60	%.	50-150		1		12/25/18 01:45	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:51	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:08	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**12.0**	ug/L	1.0	0.10	1		12/24/18 15:28	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/24/18 15:28	100-41-4	
Toluene	**0.40J**	ug/L	1.0	0.083	1		12/24/18 15:28	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/24/18 15:28	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	82	%.	75-125		1		12/24/18 15:28	17060-07-0	
Toluene-d8 (S)	98	%.	75-125		1		12/24/18 15:28	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125		1		12/24/18 15:28	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-14S **Lab ID: 10459013002** Collected: 12/11/18 16:25 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**113000**	ug/L	10000	1960	100		12/24/18 15:52		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	77	%.	50-150		100		12/24/18 15:52	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**5.0J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:26	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**3.0J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:43	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**13.8**	ug/L	2.0	0.20	2		12/22/18 02:22	71-43-2	
Ethylbenzene	**2790**	ug/L	50.0	6.9	50		12/22/18 19:45	100-41-4	
Toluene	**6440**	ug/L	50.0	4.2	50		12/22/18 19:45	108-88-3	
Xylene (Total)	**17600**	ug/L	150	15.4	50		12/22/18 19:45	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%.	75-125		2		12/22/18 02:22	17060-07-0	
Toluene-d8 (S)	102	%.	75-125		2		12/22/18 02:22	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125		2		12/22/18 02:22	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-15D **Lab ID: 10459013012** Collected: 12/13/18 14:35 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/25/18 00:37		G-
Surrogates									
a,a,a-Trifluorotoluene (S)	55	%.	50-150		1		12/25/18 00:37	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**8.1J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:46	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:03	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**1.0**	ug/L	1.0	0.10	1		12/26/18 11:53	71-43-2	
Ethylbenzene	**0.27J**	ug/L	1.0	0.14	1		12/26/18 11:53	100-41-4	
Toluene	**0.66J**	ug/L	1.0	0.083	1		12/26/18 11:53	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/26/18 11:53	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	83	%.	75-125		1		12/26/18 11:53	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		12/26/18 11:53	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125		1		12/26/18 11:53	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-16D **Lab ID: 10459013013** Collected: 12/13/18 14:20 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/25/18 00:54		
Surrogates									
a,a,a-Trifluorotoluene (S)	63	%.	50-150		1		12/25/18 00:54	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**6.7J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:47	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:04	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**0.59J**	ug/L	1.0	0.10	1		12/24/18 14:56	71-43-2	
Ethylbenzene	**0.17J**	ug/L	1.0	0.14	1		12/24/18 14:56	100-41-4	
Toluene	**0.44J**	ug/L	1.0	0.083	1		12/24/18 14:56	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/24/18 14:56	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%.	75-125		1		12/24/18 14:56	17060-07-0	
Toluene-d8 (S)	96	%.	75-125		1		12/24/18 14:56	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125		1		12/24/18 14:56	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-17D **Lab ID: 10459013014** Collected: 12/13/18 15:00 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/25/18 01:28		
Surrogates									
a,a,a-Trifluorotoluene (S)	58	%.	50-150		1		12/25/18 01:28	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**2.8J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:49	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**2.0J**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:06	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**0.50J**	ug/L	1.0	0.10	1		12/24/18 15:12	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/24/18 15:12	100-41-4	
Toluene	**0.38J**	ug/L	1.0	0.083	1		12/24/18 15:12	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/24/18 15:12	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	84	%.	75-125		1		12/24/18 15:12	17060-07-0	
Toluene-d8 (S)	97	%.	75-125		1		12/24/18 15:12	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125		1		12/24/18 15:12	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: GW-18D **Lab ID: 10459013001** Collected: 12/11/18 15:10 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx								
TPH as Gas	**<19.6**	ug/L	100	19.6	1		12/19/18 17:14		
Surrogates									
a,a,a-Trifluorotoluene (S)	61	%.	50-150		1		12/19/18 17:14	98-08-8	
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 10:14	7439-92-1	
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010								
Lead, Dissolved	**<2.0**	ug/L	10.0	2.0	1	12/17/18 14:19	12/18/18 09:31	7439-92-1	
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/21/18 22:42	71-43-2	
Ethylbenzene	**<0.14**	ug/L	1.0	0.14	1		12/21/18 22:42	100-41-4	
Toluene	**0.093J**	ug/L	1.0	0.083	1		12/21/18 22:42	108-88-3	
Xylene (Total)	**<0.31**	ug/L	3.0	0.31	1		12/21/18 22:42	1330-20-7	
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%.	75-125		1		12/21/18 22:42	17060-07-0	
Toluene-d8 (S)	121	%.	75-125		1		12/21/18 22:42	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125		1		12/21/18 22:42	460-00-4	

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ANALYTICAL RESULTS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Sample: TRIP BLANK **Lab ID: 10459013016** Collected: 12/11/18 00:00 Received: 12/15/18 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV UST	Analytical Method: EPA 8260B								
Benzene	**<0.10**	ug/L	1.0	0.10	1		12/21/18 22:08	71-43-2	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%.	75-125		1		12/21/18 22:08	17060-07-0	
Toluene-d8 (S)	101	%.	75-125		1		12/21/18 22:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125		1		12/21/18 22:08	460-00-4	

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 581695 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10459013001, 10459013003, 10459013004, 10459013006

METHOD BLANK: 3153376 Matrix: Water
Associated Lab Samples: 10459013001, 10459013003, 10459013004, 10459013006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/19/18 15:33	
a,a,a-Trifluorotoluene (S)	%.	81	50-150		12/19/18 15:33	

METHOD BLANK: 3153377 Matrix: Water
Associated Lab Samples: 10459013001, 10459013003, 10459013004, 10459013006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/19/18 15:50	
a,a,a-Trifluorotoluene (S)	%.	66	50-150		12/19/18 15:50	

LABORATORY CONTROL SAMPLE & LCSD: 3153378 3153379

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1100	948	110	95	41-137	15	20	
a,a,a-Trifluorotoluene (S)	%.				94	69	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3153902 3153903

Parameter	Units	10458572003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1060	1100	106	110	30-145	4	30	
a,a,a-Trifluorotoluene (S)	%.						71	77	50-150			

SAMPLE DUPLICATE: 3153901

Parameter	Units	10458572002 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	<19.6		30	
a,a,a-Trifluorotoluene (S)	%.	62	58	7		

SAMPLE DUPLICATE: 3153904

Parameter	Units	10459013004 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<19.6	<19.6		30	

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

SAMPLE DUPLICATE: 3153904

Parameter	Units	10459013004 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	61	64	5		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582255 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10459013005

METHOD BLANK: 3156150 Matrix: Water
Associated Lab Samples: 10459013005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/22/18 02:28	
a,a,a-Trifluorotoluene (S)	%.	73	50-150		12/22/18 02:28	

METHOD BLANK: 3156151 Matrix: Water
Associated Lab Samples: 10459013005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/22/18 02:45	
a,a,a-Trifluorotoluene (S)	%.	65	50-150		12/22/18 02:45	

LABORATORY CONTROL SAMPLE & LCSD: 3156152 3156153

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	957	961	96	96	41-137	0	20	
a,a,a-Trifluorotoluene (S)	%.				64	73	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3156905 3156906

Parameter	Units	10459403002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	1120	1010	112	101	30-145	10	30	
a,a,a-Trifluorotoluene (S)	%.						71	68	50-150			

SAMPLE DUPLICATE: 3156907

Parameter	Units	10459834001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	<19.6		30	
a,a,a-Trifluorotoluene (S)	%.	47	55	16		

SAMPLE DUPLICATE: 3156908

Parameter	Units	10459403004 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	<19.6		30	

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

SAMPLE DUPLICATE: 3156908

Parameter	Units	10459403004 Result	Dup Result	RPD	Max RPD	Qualifiers
a,a,a-Trifluorotoluene (S)	%.	59	58	2		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582525 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10459013007, 10459013008, 10459013009, 10459013010, 10459013012, 10459013013, 10459013014, 10459013015

METHOD BLANK: 3157552 Matrix: Water
Associated Lab Samples: 10459013007, 10459013008, 10459013009, 10459013010, 10459013012, 10459013013, 10459013014, 10459013015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/24/18 20:57	
a,a,a-Trifluorotoluene (S)	%.	66	50-150		12/24/18 20:57	

METHOD BLANK: 3157553 Matrix: Water
Associated Lab Samples: 10459013007, 10459013008, 10459013009, 10459013010, 10459013012, 10459013013, 10459013014, 10459013015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/24/18 21:14	
a,a,a-Trifluorotoluene (S)	%.	57	50-150		12/24/18 21:14	

LABORATORY CONTROL SAMPLE & LCSD: 3157554 3157555

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1000	1010	100	101	41-137	1	20	
a,a,a-Trifluorotoluene (S)	%.				66	66	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3157852 3157853

Parameter	Units	10459917001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	11400	1000	1000	12100	11900	73	52	30-145	2	30	E
a,a,a-Trifluorotoluene (S)	%.						95	96	50-150			

SAMPLE DUPLICATE: 3157851

Parameter	Units	10459013009 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<19.6	<19.6		30	G-
a,a,a-Trifluorotoluene (S)	%.	70	53	26		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

SAMPLE DUPLICATE: 3157854

Parameter	Units	10459013013 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	<19.6	<19.6		30	
a,a,a-Trifluorotoluene (S)	%.	63	60	5		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582587 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10459013002

METHOD BLANK: 3157791 Matrix: Water
Associated Lab Samples: 10459013002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/24/18 15:35	
a,a,a-Trifluorotoluene (S)	%.	69	50-150		12/24/18 15:35	

LABORATORY CONTROL SAMPLE & LCSD: 3157792 3157793

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1080	989	108	99	41-137	9	20	
a,a,a-Trifluorotoluene (S)	%.				99	74	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3157848 3157849

Parameter	Units	10459403007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	302	1000	1000	1320	1280	101	98	30-145	3	30	
a,a,a-Trifluorotoluene (S)	%.						89	89	50-150			

SAMPLE DUPLICATE: 3157850

Parameter	Units	10459403008 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	<19.6		30	G-
a,a,a-Trifluorotoluene (S)	%.	71	66	7		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582909 Analysis Method: NWTPH-Gx
QC Batch Method: NWTPH-Gx Analysis Description: NWTPH-Gx Water
Associated Lab Samples: 10459013011

METHOD BLANK: 3159127 Matrix: Water
Associated Lab Samples: 10459013011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH as Gas	ug/L	<19.6	100	19.6	12/27/18 16:29	
a,a,a-Trifluorotoluene (S)	%.	70	50-150		12/27/18 16:29	

LABORATORY CONTROL SAMPLE & LCSD: 3159128 3159129

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	1000	1010	853	101	85	41-137	17	20	
a,a,a-Trifluorotoluene (S)	%.				89	73	50-150			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3159904 3159905

Parameter	Units	10459744002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH as Gas	ug/L	ND	1000	1000	916	902	92	90	30-145	1	30	HS
a,a,a-Trifluorotoluene (S)	%.						75	70	50-150			

SAMPLE DUPLICATE: 3159903

Parameter	Units	10459744001 Result	Dup Result	RPD	Max RPD	Qualifiers
TPH as Gas	ug/L	ND	<19.6		30	
a,a,a-Trifluorotoluene (S)	%.	65	64	0		

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 581178 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water
Associated Lab Samples: 10459013001, 10459013002, 10459013003, 10459013004, 10459013005, 10459013006, 10459013007, 10459013008, 10459013009, 10459013010, 10459013011, 10459013012, 10459013013, 10459013014, 10459013015

METHOD BLANK: 3151532 Matrix: Water
Associated Lab Samples: 10459013001, 10459013002, 10459013003, 10459013004, 10459013005, 10459013006, 10459013007, 10459013008, 10459013009, 10459013010, 10459013011, 10459013012, 10459013013, 10459013014, 10459013015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	ug/L	<2.0	10.0	2.0	12/18/18 10:11	

LABORATORY CONTROL SAMPLE: 3151533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	1020	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3151534 3151535

Parameter	Units	10459013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	<2.0	1000	1000	1000	1010	100	101	75-125	0	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 581177 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010 Analysis Description: 6010D Water Dissolved
Associated Lab Samples: 10459013001, 10459013002, 10459013003, 10459013004, 10459013005, 10459013006, 10459013007, 10459013008, 10459013009, 10459013010, 10459013011, 10459013012, 10459013013, 10459013014, 10459013015

METHOD BLANK: 3151528 Matrix: Water
Associated Lab Samples: 10459013001, 10459013002, 10459013003, 10459013004, 10459013005, 10459013006, 10459013007, 10459013008, 10459013009, 10459013010, 10459013011, 10459013012, 10459013013, 10459013014, 10459013015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead, Dissolved	ug/L	<2.0	10.0	2.0	12/18/18 09:28	

LABORATORY CONTROL SAMPLE: 3151529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	1000	1030	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3151530 3151531

Parameter	Units	10459013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead, Dissolved	ug/L	<2.0	1000	1000	1020	1010	102	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582380 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013001, 10459013002, 10459013016

METHOD BLANK: 3156563 Matrix: Water
Associated Lab Samples: 10459013001, 10459013002, 10459013016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/21/18 21:00	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/21/18 21:00	
Toluene	ug/L	<0.083	1.0	0.083	12/21/18 21:00	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/21/18 21:00	
1,2-Dichloroethane-d4 (S)	%.	102	75-125		12/21/18 21:00	
4-Bromofluorobenzene (S)	%.	112	75-125		12/21/18 21:00	
Toluene-d8 (S)	%.	99	75-125		12/21/18 21:00	

LABORATORY CONTROL SAMPLE: 3156564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	75-126	
Ethylbenzene	ug/L	20	19.5	97	75-125	
Toluene	ug/L	20	18.5	92	74-125	
Xylene (Total)	ug/L	60	60.4	101	75-125	
1,2-Dichloroethane-d4 (S)	%.			105	75-125	
4-Bromofluorobenzene (S)	%.			106	75-125	
Toluene-d8 (S)	%.			101	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3156630 3156631

Parameter	Units	10459013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.10	20	20	18.3	19.4	91	97	62-140	6	30	
Ethylbenzene	ug/L	<0.14	20	20	19.2	20.0	96	100	75-131	5	30	
Toluene	ug/L	0.093J	20	20	18.0	19.0	90	94	68-132	5	30	
Xylene (Total)	ug/L	<0.31	60	60	58.5	61.2	98	102	69-135	4	30	
1,2-Dichloroethane-d4 (S)	%.						102	98	75-125			
4-Bromofluorobenzene (S)	%.						100	108	75-125			
Toluene-d8 (S)	%.						100	100	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582430 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013003, 10459013004, 10459013005, 10459013006

METHOD BLANK: 3157078 Matrix: Water
Associated Lab Samples: 10459013003, 10459013004, 10459013005, 10459013006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/22/18 10:44	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/22/18 10:44	
Toluene	ug/L	<0.083	1.0	0.083	12/22/18 10:44	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/22/18 10:44	
1,2-Dichloroethane-d4 (S)	%.	102	75-125		12/22/18 10:44	
4-Bromofluorobenzene (S)	%.	98	75-125		12/22/18 10:44	
Toluene-d8 (S)	%.	99	75-125		12/22/18 10:44	

LABORATORY CONTROL SAMPLE: 3157079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.6	93	75-126	
Ethylbenzene	ug/L	20	19.4	97	75-125	
Toluene	ug/L	20	19.5	97	74-125	
Xylene (Total)	ug/L	60	57.8	96	75-125	
1,2-Dichloroethane-d4 (S)	%.			98	75-125	
4-Bromofluorobenzene (S)	%.			97	75-125	
Toluene-d8 (S)	%.			109	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3157080 3157081

Parameter	Units	10458877001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	17.9	16.2	90	81	62-140	10	30	
Ethylbenzene	ug/L	ND	20	20	18.8	16.9	94	85	75-131	10	30	
Toluene	ug/L	ND	20	20	17.6	14.4	88	72	68-132	20	30	
Xylene (Total)	ug/L	ND	60	60	57.3	51.5	96	86	69-135	11	30	
1,2-Dichloroethane-d4 (S)	%.						101	96	75-125			
4-Bromofluorobenzene (S)	%.						111	100	75-125			
Toluene-d8 (S)	%.						102	95	75-125			

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582454 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013007, 10459013009, 10459013010, 10459013011

METHOD BLANK: 3157287 Matrix: Water
Associated Lab Samples: 10459013007, 10459013009, 10459013010, 10459013011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/23/18 13:29	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/23/18 13:29	
Toluene	ug/L	<0.083	1.0	0.083	12/23/18 13:29	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/23/18 13:29	
1,2-Dichloroethane-d4 (S)	%.	104	75-125		12/23/18 13:29	
4-Bromofluorobenzene (S)	%.	90	75-125		12/23/18 13:29	
Toluene-d8 (S)	%.	82	75-125		12/23/18 13:29	

LABORATORY CONTROL SAMPLE: 3157288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	75-126	
Ethylbenzene	ug/L	20	19.3	96	75-125	
Toluene	ug/L	20	22.2	111	74-125	
Xylene (Total)	ug/L	60	61.1	102	75-125	
1,2-Dichloroethane-d4 (S)	%.			98	75-125	
4-Bromofluorobenzene (S)	%.			91	75-125	
Toluene-d8 (S)	%.			118	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3157333 3157334

Parameter	Units	10459013010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	0.98J	20	20	19.2	19.5	91	92	62-140	1	30	
Ethylbenzene	ug/L	0.15J	20	20	18.6	19.1	92	95	75-131	3	30	
Toluene	ug/L	0.74J	20	20	21.5	18.7	104	90	68-132	14	30	
Xylene (Total)	ug/L	<0.31	60	60	57.7	54.7	96	91	69-135	5	30	
1,2-Dichloroethane-d4 (S)	%.						98	102	75-125			
4-Bromofluorobenzene (S)	%.						100	97	75-125			
Toluene-d8 (S)	%.						114	97	75-125			

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(612)607-1700

QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582516 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013013, 10459013014, 10459013015

METHOD BLANK: 3157515 Matrix: Water
Associated Lab Samples: 10459013013, 10459013014, 10459013015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/24/18 10:08	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/24/18 10:08	
Toluene	ug/L	<0.083	1.0	0.083	12/24/18 10:08	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/24/18 10:08	
1,2-Dichloroethane-d4 (S)	%.	82	75-125		12/24/18 10:08	
4-Bromofluorobenzene (S)	%.	97	75-125		12/24/18 10:08	
Toluene-d8 (S)	%.	97	75-125		12/24/18 10:08	

LABORATORY CONTROL SAMPLE: 3157516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.5	82	75-126	
Ethylbenzene	ug/L	20	18.7	94	75-125	
Toluene	ug/L	20	18.3	92	74-125	
Xylene (Total)	ug/L	60	58.3	97	75-125	
1,2-Dichloroethane-d4 (S)	%.			84	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3157517 3157518

Parameter	Units	10459477007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	74.1	20	20	87.6	84.2	67	51	62-140	4	30	M1
Ethylbenzene	ug/L	36.1	20	20	53.6	50.6	88	73	75-131	6	30	M1
Toluene	ug/L	8.3	20	20	27.9	24.6	98	82	68-132	13	30	
Xylene (Total)	ug/L	169	60	60	227	200	97	53	69-135	13	30	MS
1,2-Dichloroethane-d4 (S)	%.						83	83	75-125			
4-Bromofluorobenzene (S)	%.						96	94	75-125			
Toluene-d8 (S)	%.						101	98	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582697 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013012

METHOD BLANK: 3158171 Matrix: Water
Associated Lab Samples: 10459013012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/26/18 11:04	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/26/18 11:04	
Toluene	ug/L	<0.083	1.0	0.083	12/26/18 11:04	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/26/18 11:04	
1,2-Dichloroethane-d4 (S)	%.	84	75-125		12/26/18 11:04	
4-Bromofluorobenzene (S)	%.	97	75-125		12/26/18 11:04	
Toluene-d8 (S)	%.	97	75-125		12/26/18 11:04	

LABORATORY CONTROL SAMPLE: 3158172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.6	83	75-126	
Ethylbenzene	ug/L	20	18.0	90	75-125	
Toluene	ug/L	20	17.9	90	74-125	
Xylene (Total)	ug/L	60	56.6	94	75-125	
1,2-Dichloroethane-d4 (S)	%.			84	75-125	
4-Bromofluorobenzene (S)	%.			96	75-125	
Toluene-d8 (S)	%.			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3158187 3158188

Parameter	Units	10459801002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	15.3	15.4	76	77	62-140	1	30	
Ethylbenzene	ug/L	ND	20	20	17.8	17.6	89	88	75-131	1	30	
Toluene	ug/L	ND	20	20	17.1	16.6	85	83	68-132	3	30	
Xylene (Total)	ug/L	ND	60	60	55.1	54.1	92	90	69-135	2	30	
1,2-Dichloroethane-d4 (S)	%.						84	85	75-125			
4-Bromofluorobenzene (S)	%.						96	98	75-125			
Toluene-d8 (S)	%.						99	98	75-125			

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QUALITY CONTROL DATA

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

QC Batch: 582929 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV UST-WATER
Associated Lab Samples: 10459013008

METHOD BLANK: 3159195 Matrix: Water
Associated Lab Samples: 10459013008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	<0.10	1.0	0.10	12/27/18 13:55	
Ethylbenzene	ug/L	<0.14	1.0	0.14	12/27/18 13:55	
Toluene	ug/L	<0.083	1.0	0.083	12/27/18 13:55	
Xylene (Total)	ug/L	<0.31	3.0	0.31	12/27/18 13:55	
1,2-Dichloroethane-d4 (S)	%.	95	75-125		12/27/18 13:55	
4-Bromofluorobenzene (S)	%.	98	75-125		12/27/18 13:55	
Toluene-d8 (S)	%.	88	75-125		12/27/18 13:55	

LABORATORY CONTROL SAMPLE: 3159196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.5	87	75-126	
Ethylbenzene	ug/L	20	18.7	93	75-125	
Toluene	ug/L	20	20.0	100	74-125	
Xylene (Total)	ug/L	60	58.2	97	75-125	
1,2-Dichloroethane-d4 (S)	%.			97	75-125	
4-Bromofluorobenzene (S)	%.			104	75-125	
Toluene-d8 (S)	%.			107	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3159197 3159198

Parameter	Units	10459402001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	0.74	20	20	18.7	17.9	90	86	62-140	4	30	
Ethylbenzene	ug/L	<0.14	20	20	17.1	17.7	86	89	75-131	3	30	
Toluene	ug/L	0.11J	20	20	16.5	17.3	82	86	68-132	4	30	
Xylene (Total)	ug/L	<0.31	60	60	57.8	59.6	96	99	69-135	3	30	
1,2-Dichloroethane-d4 (S)	%.						98	95	75-125			
4-Bromofluorobenzene (S)	%.						108	99	75-125			
Toluene-d8 (S)	%.						89	98	75-125			

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(612)607-1700

QUALIFIERS

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
G+	Late peaks present outside the GRO window.
G-	Early peaks present outside the GRO window.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

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METHOD CROSS REFERENCE TABLE

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Parameter	Matrix	Analytical Method	Preparation Method
8260B MSV UST	Water	SW-846 8260B/5030B	N/A

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10459013001	**GW-18D**	NWTPH-Gx	581695		
10459013002	**GW-14S**	NWTPH-Gx	582587		
10459013003	**GW-8**	NWTPH-Gx	581695		
10459013004	**GW-9**	NWTPH-Gx	581695		
10459013005	**GW-11**	NWTPH-Gx	582255		
10459013006	**GW-12**	NWTPH-Gx	581695		
10459013007	**GW-7**	NWTPH-Gx	582525		
10459013008	**GW-10**	NWTPH-Gx	582525		
10459013009	**GW-10S**	NWTPH-Gx	582525		
10459013010	**GW-13D**	NWTPH-Gx	582525		
10459013011	**GW-13S**	NWTPH-Gx	582909		
10459013012	**GW-15D**	NWTPH-Gx	582525		
10459013013	**GW-16D**	NWTPH-Gx	582525		
10459013014	**GW-17D**	NWTPH-Gx	582525		
10459013015	**GW-14D**	NWTPH-Gx	582525		
10459013001	**GW-18D**	EPA 3010	581178	EPA 6010D	581466
10459013002	**GW-14S**	EPA 3010	581178	EPA 6010D	581466
10459013003	**GW-8**	EPA 3010	581178	EPA 6010D	581466
10459013004	**GW-9**	EPA 3010	581178	EPA 6010D	581466
10459013005	**GW-11**	EPA 3010	581178	EPA 6010D	581466
10459013006	**GW-12**	EPA 3010	581178	EPA 6010D	581466
10459013007	**GW-7**	EPA 3010	581178	EPA 6010D	581466
10459013008	**GW-10**	EPA 3010	581178	EPA 6010D	581466
10459013009	**GW-10S**	EPA 3010	581178	EPA 6010D	581466
10459013010	**GW-13D**	EPA 3010	581178	EPA 6010D	581466
10459013011	**GW-13S**	EPA 3010	581178	EPA 6010D	581466
10459013012	**GW-15D**	EPA 3010	581178	EPA 6010D	581466
10459013013	**GW-16D**	EPA 3010	581178	EPA 6010D	581466
10459013014	**GW-17D**	EPA 3010	581178	EPA 6010D	581466
10459013015	**GW-14D**	EPA 3010	581178	EPA 6010D	581466
10459013001	**GW-18D**	EPA 3010	581177	EPA 6010D	581467
10459013002	**GW-14S**	EPA 3010	581177	EPA 6010D	581467
10459013003	**GW-8**	EPA 3010	581177	EPA 6010D	581467
10459013004	**GW-9**	EPA 3010	581177	EPA 6010D	581467
10459013005	**GW-11**	EPA 3010	581177	EPA 6010D	581467
10459013006	**GW-12**	EPA 3010	581177	EPA 6010D	581467
10459013007	**GW-7**	EPA 3010	581177	EPA 6010D	581467
10459013008	**GW-10**	EPA 3010	581177	EPA 6010D	581467
10459013009	**GW-10S**	EPA 3010	581177	EPA 6010D	581467
10459013010	**GW-13D**	EPA 3010	581177	EPA 6010D	581467
10459013011	**GW-13S**	EPA 3010	581177	EPA 6010D	581467
10459013012	**GW-15D**	EPA 3010	581177	EPA 6010D	581467
10459013013	**GW-16D**	EPA 3010	581177	EPA 6010D	581467
10459013014	**GW-17D**	EPA 3010	581177	EPA 6010D	581467

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Z076000070 P66 Burien
Pace Project No.: 10459013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10459013015	**GW-14D**	EPA 3010	581177	EPA 6010D	581467
10459013001	**GW-18D**	EPA 8260B	582380		
10459013002	**GW-14S**	EPA 8260B	582380		
10459013003	**GW-8**	EPA 8260B	582430		
10459013004	**GW-9**	EPA 8260B	582430		
10459013005	**GW-11**	EPA 8260B	582430		
10459013006	**GW-12**	EPA 8260B	582430		
10459013007	**GW-7**	EPA 8260B	582454		
10459013008	**GW-10**	EPA 8260B	582929		
10459013009	**GW-10S**	EPA 8260B	582454		
10459013010	**GW-13D**	EPA 8260B	582454		
10459013011	**GW-13S**	EPA 8260B	582454		
10459013012	**GW-15D**	EPA 8260B	582697		
10459013013	**GW-16D**	EPA 8260B	582516		
10459013014	**GW-17D**	EPA 8260B	582516		
10459013015	**GW-14D**	EPA 8260B	582516		
10459013016	**TRIP BLANK**	EPA 8260B	582380		

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CHAIN-OF-CUSTODY / Analytical Request Document

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2302596

Section A Required Client Information:

Company: ATC Group Services LLC
Address: 6347 Seaview Ave. NW
Seattle, WA 98107
Email To: Elisabeth.Silver@atcgs.com
Phone: (206) 781-1449 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: E. Silver
Copy To: B. Goulet
Purchase Order No.:
Project Name: P66 Burien - AOC 2063
Project Number: 207600070

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: GX	BTEX	Total Lead	Diss Lead (field filt.)	Pace Project No./ Lab I.D.
1	GW-13D			12/11/18	1510				8			2	6					X	X	X	X	W1
2	GW-14S			↓	1625				8			2	6					X	X	X	X	W2
3	GW-8			12/12/18	1000				8			2	6					X	X	X	X	W3
4	GW-9				1100				8			2	6					X	X	X	X	W4
5	GW-11				1350				8			2	6					X	X	X	X	W5
6	GW-12			↓	1205				8			2	6					X	X	X	X	W6
7	GW-7			12/13/18	0935				8			2	6					X	X	X	X	W7
8	GW-10				1020				8			2	6					X	X	X	X	W8
9	GW-10S				1050				8			2	6					X	X	X	X	W9
10	GW-13D				1130				8			2	6					X	X	X	X	W10
11	GW-13S				1200				8			2	6					X	X	X	X	W11
12	GW-15D			↓	1435				8			2	6					X	X	X	X	W12

WO#: 10459013

10459013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	B. Goulet - ATC	12/14/18	1052		12-14-18	1156	1.2
		12-14	1700	JS - PACE	12/15/18	9:30	5.1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brianne Goulet
SIGNATURE of SAMPLER: B. Goulet
DATE Signed (MM/DD/YY): 12/14/18

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.2	Y	N	Y
5.1			

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2302597

Section A Required Client Information:

Company:	ATC Group Services LLC
Address:	6347 Seaview Ave. NW Seattle, WA 98107
Email To:	Elisabeth.Silver@atcgs.com
Phone: (206) 781-1449	Fax:
Requested Due Date/TAT:	STANDARD

Section B Required Project Information:

Report To:	E. Silver
Copy To:	B. Goulet
Purchase Order No.:	
Project Name:	P66 Burien - AOC 2063
Project Number:	Z076000070

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	32376

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: WA

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	GX	BTEX	Total Lead	Diss. Lead (Field Filt.)	Benzene	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW-16D	WT		12/13/18	1420				8			2	6						X	X	X	X			013
2	GW-17D	WT		↓	1500				8			2	6						X	X	X	X			014
3	GW-14D	WT		↓	1540				8			2	6						X	X	X	X			015
4	TRIP BLANK																					X			016
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	B. Goulet / ATC	12/14/18	1052	PACE	12/14/18	1115	6	Y	N	Y
		12-14-18	1720	PACE	12/15/18	9:30	1.2			
							5.8			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Brianne Goulet

SIGNATURE of SAMPLER: B. Goulet DATE Signed (MM/DD/YY): 12/14/18

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Client Name: ATC

Project #: WO#: 10459013

PM: JMG Due Date: 12/31/18

CLIENT: P66_CarWA

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number: 4486 7789 6777 6788

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:

Temp Blank? ☒ Yes ☐ No

Thermometer Used: ☐ G87A9170600254 ☒ G87A9155100842

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Cooler Temp Read (°C): 1,5.8 **Cooler Temp Corrected (°C):** 1,5.8

Temp should be above freezing to 6°C **Correction Factor:** 0.0

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Date and Initials of Person Examining Contents: 12/15/18 JJ

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present?	☒ Yes ☐ No	1.
Chain of Custody Filled Out?	☒ Yes ☐ No	2.
Chain of Custody Relinquished?	☒ Yes ☐ No	3.
Sampler Name and/or Signature on COC?	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes ☐ No	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes ☒ No	6.
Rush Turn Around Time Requested?	☐ Yes ☒ No	7.
Sufficient Volume?	☒ Yes ☐ No	8.
Correct Containers Used?	☒ Yes ☐ No	9.
-Pace Containers Used?	☒ Yes ☐ No	
Containers Intact?	☒ Yes ☐ No	10.
Filtered Volume Received for Dissolved Tests?	☒ Yes ☐ No ☐ N/A	11. Note if sediment is visible in the dissolved container
Is sufficient information available to reconcile the samples to the COC? Matrix: WT	☒ Yes ☐ No	12. Sample 12 of 14 received W/6 VOA'H broken
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☒ Yes ☐ No ☐ N/A	13. ☒ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N Sample # 1-15 17 2
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes ☐ No ☒ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes ☐ No ☒ N/A	14.
Trip Blank Present?	☐ Yes ☐ No ☒ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 12/1718

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled by: JJ

Sample ID	Headspace > 6mm	Headspace < 6mm	No Headspace	Total Vials
GW-18D	0	2	4	6
GW-14S	0	1	5	6
GW-8	0	5	1	6
GW-9	0	3	3	6
GW-11	0	2	4	6
GW-12	0	1	5	6
GW-7	0	3	3	6
GW-10	0	1	5	6
GW-13D	0	2	4	6
GW-15D	0	1	4	5
GW-17D	0	1	5	6
GW-14D	0	4	2	6
Trip Blank	8	6	2	8

APPENDIX F

INVESTIGATIVE DERIVED WASTE DISPOSAL DOCUMENTATION

Cascade Drilling 128814OR

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR 97812
Ph: (541) 454-2030

Original
Ticket# 515865

Customer Name CASCADE DRILLING LP CASCADE D Carrier 8202
Ticket Date 11/03/2018 Vehicle# 8568 Volume
Payment Type Credit Account Container 8568
Profile Billing # 0034309
Generator Manifest
Manual Ticket# 938299 PO
Hauling Ticket# 942219
Destination UP/R TRANSPORT
1288140R (LF02-Non-Hazardous Waste Solids (FCS))
OR-FORMER PHILLIPS 66 12660 IS FORMER PHILLIPS 66 LOCATION 12660 FIRST AVE S

	Time	Scale	Operator	Inbound	Gross	56100 lb*
In	11/03/2018 09:41:58	Front Scale	vackinne		Tare	46360 lb*
Out	11/09/2018 09:41:58	--	vackinne		Net	9740 lb
			* Manual Weight		Tons	4.87

Comments SWAP 10/22-11/1=10 DAYS RENT. REPLACEMENT TICKET FOR TICKET # 514589

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-To 100		4.87	Tons				WA-SEATTLE
2	FEA T RGC-FUEL, EN 100		4.87	Tons				
3	LINER RGC-LINER UN 100		1	Each				
4	LOC U RGC-LOCAL TR 100		1	Load				
5	RAIL U RGC-RAIL UN 100		1	Load				
6	RENT RGC DAILY-CAN 100		10	Each				

902-ARLINGTON

WM WASTE MANAGEMENT

Oregon Waste Systems
A Waste Management Company
18177 Cedar Springs Lane
Arlington, Oregon 97812
(541) 454-2030

Nº 938299

DATE:/TIME: 2018 NOV 9 AM 9:13:57
LOAD DATE:
CUSTOMER: Cascade Drilling
PROFILE NUMBER: 128814OR
TRUCK NUMBER:
TRAILER/CONTAINER NUMBER: 8568
SEAL NUMBER:
CUSTOMER INVOICE NO.:

GROSS WEIGHT: 56100
TARE WEIGHT-TRACTOR:
TARE WGT.-TRAILER/CONTAINER: 46360
NET WEIGHT: 9740

GATEHOUSE: VC
DRIVER: CN
TRAIN ID: OSEGL02 ORIGIN:
WASTE TYPE: NON-Haz waste solids
DISPOSAL: (CM) (X) BU GRID SEGREGATE
REMARKS:

Swap 10/22-11/1=10 days rent

HAULER: F/E

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Cascade Drilling

1288140R

Columbia Ridge
18177 Cedar Springs Lane
Arlington, OR 97812
Ph: (541) 454-2030

Original
Ticket# 516934

Customer Name CASCADE DRILLING LP CASCADE D Carrier 8000
Ticket Date 11/16/2018 Vehicle# 8704 Volume
Payment Type Credit Account Container 8704
Manual Ticket# 939162 Billing # 00002008
Hauling Ticket# Manifest
Destination UP/R TRANSPORT PO 842219
Profile 1288140R (LF02-Non-Hazardous Waste Solids (FCS))
Generator OR-FORMER PHILLIPS 66 12660 IS FORMER PHILLIPS 66 LOCATION 12660 FIRST AVE S ,*

	Time	Scale	Operator	Inbound	Gross	
In	10/23/2018 08:44:20	Front Scale	tamesi	Tare	73040 lb*	
Out	11/16/2018 06:44:20		tamesi	Net	47540 lb*	
			* Manual Weight	Tons	25500 lb	
					12.75	

Comments DROP ONLY 10/10-10/22=12 DAYS RENT.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-To 100		12.75	Tons				WA-SEATTLE
2	DEL U RGC-DELIVERY 100		1	Each				WA-SEATTLE
3	LINER RGC-LINER UN 100		1	Each				WA-SEATTLE
4	LOC U RGC-LOCAL TR 100		1	Load				WA-SEATTLE
5	RAIL U RGC-RAIL UN 100		1	Load				WA-SEATTLE
6	RENT RGC DAILY-CAN 100		12	Each				WA-SEATTLE
7	ECO T RGC-FUEL EN 100		12.75	Tons				WA-SEATTLE

WASTE MANAGEMENT

Oregon Waste Systems
A Waste Management Company
18177 Cedar Springs Lane
Arlington, Oregon 97812
(541) 454-2030

Nº 939162

DATE:/TIME: 2018 NOV 16 AM 6:45:30
LOAD DATE:
CUSTOMER: Cascade Drilling
PROFILE NUMBER: 1288140R
TRUCK NUMBER:
TRAILER/CONTAINER NUMBER: 8704
SEAL NUMBER:
CUSTOMER INVOICE NO.:

GROSS WEIGHT: 73040
TARE WEIGHT-TRACTOR:
TARE WGT.-TRAILER/CONTAINER: 47540
NET WEIGHT: 25500

GATEHOUSE: AM
DRIVER: HANK
TRAIN ID: DSEGL 22 ORIGIN:
WASTE TYPE: NON-Haz Waste Solids
DISPOSAL: CM (DC) BU GRID SEGREGATE
REMARKS:

F/E Drop only 10/10/18-10/22=
12 days rent

HAULER:

Scanned with CamScanner

Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 24950
Ph: 206-694-0600

Customer Name CASCADE DRILLING LP CASCADE D
Ticket Date 10/31/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 842219/1288530RD

Carrier SELF SELF
Vehicle# NRC2234
Container
Driver BILL ZILLER
Check#
Billing# 0000104
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2018 08:39:20	Scale 1	kfunk2		Gross	54800 l
Out	10/31/2018 09:08:05	Scale 1	kfunk2		Tare	32920 l
					Net	21880 l
					Tons	10.9

Comments NRC-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	10.94	Tons				KING
2	FEA FEE TON-FUEL, ENVIRO	100	10.94	Tons				KING
3	GOND TON-GONDOLA PER TON	100	10.94	Tons				KING

203 WM

Total Tax

Standard Register

CC762108-AD (07/15)

Scanned with CamScanner

Driver's Signature

Total Ticket

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 24790

Ph: 206-694-0600

Customer Name CASCADE DRILLING LP CASCADE D
Ticket Date 10/23/2018
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 842219/1288530RD

Carrier SELF SELF
Vehicle# 2268
Container
Driver BILL ZILLER
Check#
Billing# 0000104
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/23/2018 09:49:25	Scale 1	kfunk2		Gross	56760 lb
Out	10/23/2018 10:25:02	Scale 1	kfunk2		Tare	34600 lb
					Net	22160 lb
					Tons	11.08

Comments NRC-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	11.08	Tons				KING
2	FEA FEE TON-FUEL, ENVIRO	100	11.08	Tons				KING
3	GOND TON-GONDOLA PER TON	100	11.08	Tons				KING

203 WM

Total Tax

Scanned with CamScanner

***24 HOUR EMERGENCY RESPONSE, CALL (877) 577-2669 ***

Stericycle®
Environmental Solutions

SHIPPING PAPER

Lading Manifest: 496077-18

	DELIVERY DATE / JOB # 3412276
SHIPPER / CUSTOMER: Former Phillips 66	POINT OF CONTACT: Elisabeth Silver
ADDRESS: 12660 First Avenue South	PHONE #: (206)781-1449
CITY, STATE, ZIP: BURIEN WA 98168	
CARRIER / TRANSPORTER: CASCADE DRILLING	PHONE #: (425)485-8908
CONSIGNEE / FACILITY: BURLINGTON ENVIRONMENTAL, LLC.	POINT OF CONTACT: Megan Swick
ADDRESS: ~~1701 East Alexander Avenue~~ 20245 77TH Ave. S.	PHONE #: ~~(253)627-7568~~ (253)872-8030
CITY, STATE, ZIP: ~~TACOMA~~ , ~~WA 98421~~ Kent, WA 98032	

HM	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	UOM
A	MATERIAL NOT REGULATED BY DOT (NON-HAZARDOUS)	~~14~~ 14	DM	4200	P
B					
C					
D					

F231S

Special Handling Instruction and Additional Information:

a) 985690-08 - NON-HAZARDOUS WASTE LIQUID - WATOS (1)

Placards Provided YES_____ NO_____

SHIPPER'S CERTIFICATION: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

		MONTH	DAY	YEAR
(SHIPPER) PRINT OR TYPE NAME: x Brianne Goulet	SIGNATURE: x B. Goulet	12	6	18
(CARRIER/TRANSPORTER) PRINT OR TYPE NAME: x Brandon Pizzuti	SIGNATURE: x	12	6	18
(CONSIGNEE/FACILITY) PRINT OR TYPE NAME: x Christine Santos	SIGNATURE: x	12	06	18

CONSIGNEE

'18 DEC 6 PM12:09

***24 HOUR EMERGENCY RESPONSE, CALL (877) 577-2669 ***

Stericycle®
Environmental Solutions

SHIPPING PAPER

Lading Manifest: 496078-18

	DELIVERY DATE: JOB # 3412277
SHIPPER / CUSTOMER: Former Phillips 66	POINT OF CONTACT: Elisabeth Silver
ADDRESS: 12660 First Avenue South	PHONE #: (206)781-1449
CITY, STATE, ZIP: BURIEN WA 98168	
CARRIER / TRANSPORTER: CASCADE DRILLING	PHONE #: (425)485-8908
CONSIGNEE / FACILITY: BURLINGTON ENVIRONMENTAL, LLC.	POINT OF CONTACT: Megan Swick
ADDRESS: ~~1701 East Alexander Avenue~~ 20245 77TH Ave. S.	PHONE #: ~~(253)627-7568~~ (253)872-8030
CITY, STATE, ZIP: ~~TACOMA~~ , ~~WA 98421~~ Kent, WA 98032	

HM	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Containers Type	Total Quantity	UOM
A	MATERIAL NOT REGULATED BY DOT (NON-HAZARDOUS)	~~13~~ 14	DM	4200	P
B					
C					
D					

F2316

Special Handling Instruction and Additional Information:

a) 985698-00 - NON-HAZARDOUS WASTE LIQUID - WAT05 (1)

Placards Provided YES_____ NO_____

SHIPPER'S CERTIFICATION: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

		MONTH	DAY	YEAR
(SHIPPER) PRINT OR TYPE NAME: x Brianne Goulet	SIGNATURE: x B. Goulet	12	6	18
(CARRIER/TRANSPORTER) PRINT OR TYPE NAME: x Jason Broadhurst	SIGNATURE: x Jason Broadhurst	12	6	18
(CONSIGNEE/FACILITY) PRINT OR TYPE NAME: x Christine Santos	SIGNATURE: x	12	06	18

CONSIGNEE

'18 DEC 6 PM12:09

APPENDIX G
ECOLOGY WELL RECORDS

MAP SEARCH RESULTS

Back New Search

- **Search Criteria Used:** Left Coordinate: 1185684, Right Coordinate: 1188414, Top Coordinate: 792639, Bottom Coordinate: 789835
- There are **127** Well Reports that match your search criteria.
- The results are sorted by Well Type

Download all 127 images | Download all 127 data records | Print this page | Help

Displaying 1 - 10 of **127** well report results Sort results by Well Type

1. **PRIORITY CHEVRON** - { View PDF }
   Public Land Survey: NW, NW, S-17, T-23-N, R-04-E, Tax Parcel Number: (blank)
   County: King, Well Address: 13222 1ST AVE S, SEATTLE
   Well Report ID: 346340, Well Tag ID:(blank), Notice of Intent Number: A062262
   Well Diameter: 1 in. , Well Depth: 15 ft.
   Well Type: Decommissioned
   Well Completion Date: 05-01-2002, Well Report Received Date: 11-12-2002
2. **CONOCO PHILIPS** - { View PDF }
   Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
   County: King, Well Address: 12805 1ST AVE S, BURIEN
   Well Report ID: 388361, Well Tag ID:(blank), Notice of Intent Number: A060908
   Well Diameter: 2 in. , Well Depth: 45 ft.
   Well Type: Decommissioned
   Well Completion Date: 09-01-2004, Well Report Received Date: 09-16-2004
3. **Circle K** - { View PDF }

3. **Circle K** - { View PDF }
   Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
   County: King, Well Address: 12660 1st Ave S, Seattle 98168
   Well Report ID: 818242, Well Tag ID:(blank), Notice of Intent Number: AE18174
   Well Diameter: 8.25 in. , Well Depth: 50 ft.
   Well Type: Decommissioned
   Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012
4. **Circle K** - { View PDF }
   Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
   County: King, Well Address: 12660 1st Ave S, Seattle 98168
   Well Report ID: 818244, Well Tag ID:(blank), Notice of Intent Number: AE18174
   Well Diameter: 8.25 in. , Well Depth: 50 ft.
   Well Type: Decommissioned
   Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012
5. **Circle K** - { View PDF }
   Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
   County: King, Well Address: 12660 1st Ave S, Seattle 98168
   Well Report ID: 818246, Well Tag ID:(blank), Notice of Intent Number: AE18174
   Well Diameter: 8.25 in. , Well Depth: 50 ft.
   Well Type: Decommissioned
   Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012
6. **Circle K** - { View PDF }
   Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
   County: King, Well Address: 12660 1st Ave S, Seattle 98168
   Well Report ID: 818248, Well Tag ID:(blank), Notice of Intent Number: AE18174
   Well Diameter: 8.25 in. , Well Depth: 50 ft.
   Well Type: Decommissioned
   Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012
7. **Circle K** - { View PDF }
   Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
   County: King, Well Address: 12660 1st Ave S, Seattle 98168
   Well Report ID: 818250, Well Tag ID:(blank), Notice of Intent Number: AE18174
   Well Diameter: 8.25 in. , Well Depth: 55 ft.
   Well Type: Decommissioned
   Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012
8. **76 Products** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378811, Well Tag ID:BBF751, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 61 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

9. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378829, Well Tag ID:AHN535, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

10. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378830, Well Tag ID:APB656, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

1 2 3 4 5 6 7 8 9 10 ...

Total Result Pages: 13

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MAP SEARCH RESULTS

Back **New Search**

- **Search Criteria Used:** Left Coordinate: 1185684, Right Coordinate: 1188414, Top Coordinate: 792639, Bottom Coordinate: 789835
- There are **127** Well Reports that match your search criteria.
- The results are sorted by Well Type

Download all 127 images | Download all 127 data records | Print this page | Help

Displaying 11 - 20 of **127** well report results Sort results by Well Type

11. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378831, Well Tag ID:AHN530, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 30 ft.
Well Type: Decommissioned
Well Completion Date: 10-15-2015, Well Report Received Date: 02-22-2016

12. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378862, Well Tag ID:(blank), Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 10-14-2015, Well Report Received Date: 02-22-2016

13. **76 Products** - { View PDF }

13. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378863, Well Tag ID:BBF451, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 43 ft.
Well Type: Decommissioned
Well Completion Date: 10-14-2015, Well Report Received Date: 02-22-2016

14. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378864, Well Tag ID:ALS932, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 59 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

15. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378865, Well Tag ID:APB658, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-14-2015, Well Report Received Date: 02-22-2016

16. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378873, Well Tag ID:(blank), Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 45 ft.
Well Type: Decommissioned
Well Completion Date: 10-15-2015, Well Report Received Date: 02-22-2016

17. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378903, Well Tag ID:BBF457, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 58 ft.
Well Type: Decommissioned
Well Completion Date: 10-15-2015, Well Report Received Date: 02-22-2016

18. **76 Products** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378938, Well Tag ID:BBF561, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 63 ft.
Well Type: Decommissioned
Well Completion Date: 10-15-2015, Well Report Received Date: 02-22-2016

19. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378939, Well Tag ID:(blank), Notice of Intent Number: AE34194
Well Diameter: 4 in. , Well Depth: 70 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

20. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378940, Well Tag ID:BBF458, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 56 ft.
Well Type: Decommissioned
Well Completion Date: 10-14-2015, Well Report Received Date: 02-22-2016

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Displaying 21 - 30 of **127** well report results Sort results by Well Type

21. **76 Products** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave South
Well Report ID: 1378941, Well Tag ID:APB657, Notice of Intent Number: AE34194
Well Diameter: 2 in. , Well Depth: 65 ft.
Well Type: Decommissioned
Well Completion Date: 10-13-2015, Well Report Received Date: 02-22-2016

22. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855327, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

23. **CITY OF BURIEN** - { View PDF } Group Number: 1

23. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855328, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

24. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855329, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

25. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855330, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

26. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855331, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

27. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855332, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

28. **CITY OF BURIEN** - { View PDF } Group Number: 1

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855333, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

29. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855334, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

30. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855335, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

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Displaying 31 - 40 of **127** well report results Sort results by Well Type

31. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855336, Well Tag ID:(blank), Notice of Intent Number: AE51973
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Decommissioned
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

32. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889669, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 50 ft.
Well Type: Decommissioned
Well Completion Date: 10-24-2018, Well Report Received Date: 01-31-2019

33. **Burien 76 Food Mart** - { View PDF }

33. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889670, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 94 ft.
Well Type: Decommissioned
Well Completion Date: 10-24-2018, Well Report Received Date: 01-31-2019

34. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889671, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 80 ft.
Well Type: Decommissioned
Well Completion Date: 10-25-2018, Well Report Received Date: 01-31-2019

35. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889672, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 50 ft.
Well Type: Decommissioned
Well Completion Date: 10-30-2018, Well Report Received Date: 01-31-2019

36. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889681, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 54 ft.
Well Type: Decommissioned
Well Completion Date: 10-24-2018, Well Report Received Date: 01-31-2019

37. **Burien 76 Food Mart** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S
Well Report ID: 1889687, Well Tag ID:(blank), Notice of Intent Number: AE51531
Well Diameter: 4 in. , Well Depth: 75 ft.
Well Type: Decommissioned
Well Completion Date: 10-25-2018, Well Report Received Date: 01-31-2019

38. **Eui Jung Cha** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889878, Well Tag ID:(blank), Notice of Intent Number: AE51577
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-23-2018, Well Report Received Date: 01-31-2019

39. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889890, Well Tag ID:(blank), Notice of Intent Number: AE51577
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 11-01-2018, Well Report Received Date: 01-31-2019

40. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889903, Well Tag ID:(blank), Notice of Intent Number: AE51577
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-30-2018, Well Report Received Date: 01-31-2019

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Displaying 41 - 50 of **127** well report results Sort results by Well Type

41. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889936, Well Tag ID:(blank), Notice of Intent Number: AE51577
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Decommissioned
Well Completion Date: 10-24-2018, Well Report Received Date: 01-31-2019

42. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889937, Well Tag ID:(blank), Notice of Intent Number: AE51577
Well Diameter: 6 in. , Well Depth: 70 ft.
Well Type: Decommissioned
Well Completion Date: 10-22-2018, Well Report Received Date: 01-31-2019

43. **CIRCLE K #1476** - { View PDF }

45. **CIRCLE K #1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 102349, Well Tag ID:(blank), Notice of Intent Number: R006441
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-01-1996, Well Report Received Date: 11-05-1996

44. **CIRCLE K STORE** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109401, Well Tag ID:ABJ892, Notice of Intent Number: R026135
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-19-1994, Well Report Received Date: 05-12-1994

45. **CIRCLE K STORE** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109402, Well Tag ID:ABJ893, Notice of Intent Number: R026135
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-19-1994, Well Report Received Date: 05-12-1994

46. **CIRCLE K STORE** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109403, Well Tag ID:ABJ894, Notice of Intent Number: R026135
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-20-1994, Well Report Received Date: 05-12-1994

47. **CIRCLE K STORE** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109404, Well Tag ID:ABJ895, Notice of Intent Number: R026135
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-20-1994, Well Report Received Date: 05-12-1994

48. **CIRCLE K STORE** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109405, Well Tag ID:ABJ896, Notice of Intent Number: R026135
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-21-1994, Well Report Received Date: (blank)

49. **CIRCLE K STORE # 1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 FIRST AVE S, SEATTLE
Well Report ID: 109613, Well Tag ID:ABN733, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-27-1994, Well Report Received Date: 11-14-1994

50. **CIRCLE K STORE # 1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109729, Well Tag ID:ABN949, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-25-1994, Well Report Received Date: 11-14-1994

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51. **CIRCLE K STORE # 1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109730, Well Tag ID:ABN950, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-26-1994, Well Report Received Date: 11-14-1994

52. **CIRCLE K STORE # 1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109731, Well Tag ID:ABN951, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-26-1994, Well Report Received Date: 11-14-1994

53. **CIRCLE K STORE** - { View PDF }

53. **CIRCLE K STORE** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109732, Well Tag ID:ABN952, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-28-1994, Well Report Received Date: 11-14-1994

54. **CIRCLE K STORE # 1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 109733, Well Tag ID:ABN953, Notice of Intent Number: R018909
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-28-1994, Well Report Received Date: 11-14-1994

55. **UNOCAL - BURIEN** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 1280 FIRST AVE S, BURIEN
Well Report ID: 109920, Well Tag ID:ABY068, Notice of Intent Number: R005376
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-27-1995, Well Report Received Date: (blank)

56. **UNOCAL - BURIEN** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 1280 FIRST AVE S, BURIEN
Well Report ID: 109921, Well Tag ID:ABY069, Notice of Intent Number: R005376
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-27-1995, Well Report Received Date: 05-23-1995

57. **UNOCAL - BURIEN** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 1280 FIRST AVE S, BURIEN
Well Report ID: 109928, Well Tag ID:ABY067, Notice of Intent Number: R005376
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-27-1995, Well Report Received Date: 05-23-1995

58. **CIRCLE K #1476** - { View PDF }

Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 109944, Well Tag ID:ABY493, Notice of Intent Number: R005363
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-18-1995, Well Report Received Date: (blank)

59. **CIRCLE K #1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 110913, Well Tag ID:ACQ602, Notice of Intent Number: R006441
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-02-1996, Well Report Received Date: 11-05-1996

60. **CIRCLE K #1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 110914, Well Tag ID:ACQ603, Notice of Intent Number: R006441
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-02-1996, Well Report Received Date: 11-05-1996

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61. **CIRCLE K #1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 110915, Well Tag ID:ACQ604, Notice of Intent Number: R006441
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-02-1996, Well Report Received Date: 11-05-1996

62. **CIRCLE K #1476** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, BURIEN
Well Report ID: 110916, Well Tag ID:ACQ605, Notice of Intent Number: R006441
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 10-03-1996, Well Report Received Date: 11-05-1996

63. **UNOCAL GAS STATION** - { View PDF }

63. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300435, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

64. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300436, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

65. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300437, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

66. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300438, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

67. **CIRCLE K CORP** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 FIRST AVE S, BURIEN
Well Report ID: 305725, Well Tag ID:AFR330, Notice of Intent Number: R049567
Well Diameter: 0 in. , Well Depth: 99 ft.
Well Type: Resource Protection
Well Completion Date: 10-04-2000, Well Report Received Date: 10-24-2000

68. **PRIORITY CHEVRON** - { View PDF }

Public Land Survey: NW, NW, S-17, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 13222 1ST AVE S, SEATTLE
Well Report ID: 346339, Well Tag ID:(blank), Notice of Intent Number: R050516
Well Diameter: 1 in. , Well Depth: 15 ft.
Well Type: Resource Protection
Well Completion Date: 05-01-2002, Well Report Received Date: 11-12-2002

69. **CONOCO PHILIPS 6382** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1ST AVE S, SEATTLE
Well Report ID: 377779, Well Tag ID:AHN535, Notice of Intent Number: R065417
Well Diameter: 9 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 02-11-2004, Well Report Received Date: 03-10-2004

70. **CONOCO PHILIPS 6382** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1ST AVE S, SEATTLE
Well Report ID: 377780, Well Tag ID:AHN530, Notice of Intent Number: R065417
Well Diameter: 8.5 in. , Well Depth: 30 ft.
Well Type: Resource Protection
Well Completion Date: 02-11-2004, Well Report Received Date: 03-10-2004

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Displaying 71 - 80 of **127** well report results Sort results by Well Type

71. **UNOCAL 76 STATION** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, SEATTLE
Well Report ID: 380983, Well Tag ID:ALB143, Notice of Intent Number: R066354
Well Diameter: 12 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 05-13-2004, Well Report Received Date: 06-08-2004

72. **STRIP MALL/KIM JASON** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1ST AVE S,BURIEN
Well Report ID: 430535, Well Tag ID:APB656, Notice of Intent Number: R067296
Well Diameter: 8 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 12-30-2005, Well Report Received Date: 01-30-2006

73. **STRIP MALL/KIM JASON** - { View PDF }

73. **STRIP MALL/KIM JASON** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1ST AVE S,BURIEN
Well Report ID: 430536, Well Tag ID:APB657, Notice of Intent Number: R067296
Well Diameter: 8 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 12-30-2005, Well Report Received Date: 01-30-2006

74. **STRIP MALL/KIM JASON** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1ST AVE S,BURIEN
Well Report ID: 430537, Well Tag ID:APB658, Notice of Intent Number: R067296
Well Diameter: 8 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 12-30-2005, Well Report Received Date: 01-30-2006

75. **Circle K** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S, Seattle 98168
Well Report ID: 818232, Well Tag ID:(blank), Notice of Intent Number: SE45768
Well Diameter: 8.25 in. , Well Depth: 50 ft.
Well Type: Resource Protection
Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012

76. **Circle K** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S, Seattle 98168
Well Report ID: 818234, Well Tag ID:(blank), Notice of Intent Number: SE45768
Well Diameter: 8.25 in. , Well Depth: 50 ft.
Well Type: Resource Protection
Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012

77. **Circle K** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S, Seattle 98168
Well Report ID: 818236, Well Tag ID:(blank), Notice of Intent Number: SE45768
Well Diameter: 8.25 in. , Well Depth: 50 ft.
Well Type: Resource Protection
Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012

78. **Circle K** - { View PDF }

Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S, Seattle 98168
Well Report ID: 818238, Well Tag ID:(blank), Notice of Intent Number: SE45768
Well Diameter: 8.25 in. , Well Depth: 50 ft.
Well Type: Resource Protection
Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012

79. **Circle K** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1st Ave S, Seattle 98168
Well Report ID: 818240, Well Tag ID:(blank), Notice of Intent Number: SE45768
Well Diameter: 8.25 in. , Well Depth: 55 ft.
Well Type: Resource Protection
Well Completion Date: 07-19-2012, Well Report Received Date: 09-21-2012

80. **Chevron** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: 0084000030
County: King, Well Address: 12805 1st Ave S, Burien 98168
Well Report ID: 871997, Well Tag ID:BIC476, Notice of Intent Number: RE08269
Well Diameter: 8 in. , Well Depth: 6 ft. 6 in.
Well Type: Resource Protection
Well Completion Date: 05-23-2013, Well Report Received Date: 07-29-2013

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Displaying 81 - 90 of **127** well report results Sort results by Well Type

81. **Chevron** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: 0084000030
County: King, Well Address: 12805 1st Ave S, Burien 98168
Well Report ID: 871999, Well Tag ID:BIC473, Notice of Intent Number: RE08269
Well Diameter: 12 in. , Well Depth: 6 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 05-23-2013, Well Report Received Date: 07-29-2013

82. **Chevron** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: 0084000030
County: King, Well Address: 12805 1st Ave S, Burien 98168
Well Report ID: 872001, Well Tag ID:BIC474, Notice of Intent Number: RE08269
Well Diameter: 12 in. , Well Depth: 6 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 05-23-2013, Well Report Received Date: 07-29-2013

83. **Chevron** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: 0084000030
County: King, Well Address: 12805 1st Ave S, Burien 98168
Well Report ID: 872002, Well Tag ID:BIC475, Notice of Intent Number: RE08269
Well Diameter: 12 in. , Well Depth: 7 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 05-23-2013, Well Report Received Date: 07-29-2013

84. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855298, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

85. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855299, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

86. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855300, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

87. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855301, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

88. **CITY OF BURIEN** - { View PDF } Group Number: 1

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855306, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

89. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855307, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

90. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855313, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

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91. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855315, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

92. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855317, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

93. **CITY OF BURIEN** - { View PDF } Group Number: 1

93. **CITY OF BURIEN** - { View PDF } Group Number: 1
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 1855320, Well Tag ID:(blank), Notice of Intent Number: SE68069
Well Diameter: 8 in. , Well Depth: 20 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 11-18-2018

94. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889881, Well Tag ID:BKL072, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 5 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 10-15-2018, Well Report Received Date: 01-31-2019

95. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889882, Well Tag ID:BKL074, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 5 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 10-15-2018, Well Report Received Date: 01-31-2019

96. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889883, Well Tag ID:BKL056, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 70 ft.
Well Type: Resource Protection
Well Completion Date: 11-10-2018, Well Report Received Date: 01-31-2019

97. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889884, Well Tag ID:BKL084, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 70 ft.
Well Type: Resource Protection
Well Completion Date: 11-08-2018, Well Report Received Date: 01-31-2019

98. **Eui Jung Cha** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889885, Well Tag ID:BKL083, Notice of Intent Number: re16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 11-06-2018, Well Report Received Date: 01-31-2019

99. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889886, Well Tag ID:BKL081, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 11-01-2018, Well Report Received Date: 01-31-2019

100. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889887, Well Tag ID:BKL082, Notice of Intent Number: RE16589
Well Diameter: 8 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 11-02-2018, Well Report Received Date: 01-31-2019

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101. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889888, Well Tag ID:BKL080, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 10-31-2018, Well Report Received Date: 01-31-2019

102. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889891, Well Tag ID:BKL085, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 70 ft.
Well Type: Resource Protection
Well Completion Date: 11-09-2018, Well Report Received Date: 01-31-2019

103. **Eui Jung Cha** - { View PDF }

103. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889892, Well Tag ID:BKL076, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 10-25-2018, Well Report Received Date: 01-31-2019

104. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889895, Well Tag ID:BKL077, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 70 ft.
Well Type: Resource Protection
Well Completion Date: 10-26-2018, Well Report Received Date: 01-31-2019

105. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889896, Well Tag ID:BKL075, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 10-23-2018, Well Report Received Date: 01-31-2019

106. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889940, Well Tag ID:BKL073, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 5 ft. 7 in.
Well Type: Resource Protection
Well Completion Date: 10-15-2018, Well Report Received Date: 01-31-2019

107. **Eui Jung Cha** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889941, Well Tag ID:BKL079, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 10-30-2018, Well Report Received Date: 01-31-2019

108. **Eui Jung Cha** - { View PDF }

Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12805 1st Ave S
Well Report ID: 1889942, Well Tag ID:BKL078, Notice of Intent Number: RE16589
Well Diameter: 6 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 10-29-2018, Well Report Received Date: 01-31-2019

109. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629685, Well Tag ID:ALS967, Notice of Intent Number: (blank)
Well Diameter: 24 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

110. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629686, Well Tag ID:ALS965, Notice of Intent Number: (blank)
Well Diameter: 12 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

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111. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629688, Well Tag ID:BBF557, Notice of Intent Number: (blank)
Well Diameter: 24 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

112. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629690, Well Tag ID:ALS969, Notice of Intent Number: (blank)
Well Diameter: 2 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

113. **JUNS INVESTMENT INC** - { View PDF }

113. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629691, Well Tag ID:ALS974, Notice of Intent Number: (blank)
Well Diameter: 8 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 04-06-2010

114. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629692, Well Tag ID:ALS975, Notice of Intent Number: (blank)
Well Diameter: 8 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

115. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629694, Well Tag ID:ALS972, Notice of Intent Number: (blank)
Well Diameter: 8 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

116. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629696, Well Tag ID:BBF558, Notice of Intent Number: (blank)
Well Diameter: 24 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

117. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629697, Well Tag ID:BBF560, Notice of Intent Number: (blank)
Well Diameter: 12 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

118. **JUNS INVESTMENT INC** - { View PDF }

Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629774, Well Tag ID:ALS997, Notice of Intent Number: (blank)
Well Diameter: 24 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

119. **JUNS INVESTMENT INC** - { View PDF }
Public Land Survey: SW, SW, S-08, T-23-N, R-04-E, Tax Parcel Number: 1446800380
County: King, Well Address: 12660 1ST AVE S
Well Report ID: 629777, Well Tag ID:BBF559, Notice of Intent Number: (blank)
Well Diameter: 12 in. , Well Depth: 0 ft.
Well Type: Water
Well Completion Date: 11-03-2009, Well Report Received Date: 01-06-2010

120. **KIM JASON** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: 0084000030
County: King, Well Address: 12805 1ST AVE SOUTH
Well Report ID: 641939, Well Tag ID:BBF561, Notice of Intent Number: (blank)
Well Diameter: 2 in. , Well Depth: 62 ft. 6 in.
Well Type: Water
Well Completion Date: 03-30-2010, Well Report Received Date: 04-01-2010

... 4 5 6 7 8 9 10 11 **12** 13

Total Result Pages: 13

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MAP SEARCH RESULTS

Back New Search

- **Search Criteria Used:** Left Coordinate: 1185684, Right Coordinate: 1188414, Top Coordinate: 792639, Bottom Coordinate: 789835
- There are **127** Well Reports that match your search criteria.

Download all 127 images | Download all 127 data records | Print this page | Help

Displaying 121 - 127 of **127** well report results Sort results by Well Owner Name

121. **UNOCAL - BURIEN** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 1280 FIRST AVE S, BURIEN
Well Report ID: 109921, Well Tag ID:ABY069, Notice of Intent Number: R005376
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-27-1995, Well Report Received Date: 05-23-1995

122. **UNOCAL - BURIEN** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 1280 FIRST AVE S, BURIEN
Well Report ID: 109928, Well Tag ID:ABY067, Notice of Intent Number: R005376
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: 04-27-1995, Well Report Received Date: 05-23-1995

123. **UNOCAL 76 STATION** - { View PDF }
Public Land Survey: SE, SE, S-07, T-23-N, R-04-E, Tax Parcel Number: (blank)

Public Land Survey: SE, SE, S-07, T-25-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: 12660 1ST AVE S, SEATTLE
Well Report ID: 380983, Well Tag ID:ALB143, Notice of Intent Number: R066354
Well Diameter: 12 in. , Well Depth: 60 ft.
Well Type: Resource Protection
Well Completion Date: 05-13-2004, Well Report Received Date: 06-08-2004

124. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300435, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

125. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300436, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

126. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300437, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

127. **UNOCAL GAS STATION** - { View PDF }
Public Land Survey: NE, NE, S-18, T-23-N, R-04-E, Tax Parcel Number: (blank)
County: King, Well Address: (blank)
Well Report ID: 300438, Well Tag ID:(blank), Notice of Intent Number: (blank)
Well Diameter: 0 in. , Well Depth: 0 ft.
Well Type: Resource Protection
Well Completion Date: (blank), Well Report Received Date: (blank)

Total Result Pages: 13

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123560

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No 25-4E-17D A6226

Construction/Decommission (x in circle)

C Construction

X Decommission *ORIGINAL INSTALLATION Notice of Intent Number* R0505I6

Consulting Firm PBS Environmental

Unique Ecology Well ID Tag No SB-2

Type of Well (x in circle)

Ø Resource Protection

O Geotech Soil Boring

Property Owner Priority Chevron

Site Address 13222 1st Ave S

City Seattle County King

Location NW 1/4 NW 1/4 Sec 17 Twn 23 R 4 (EWM) or WWM circle one

Lat/Long (s t r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No ____

Cased or Uncased Diameter 1" Static Level 12'

~~Work~~/Decommission Start Date 5/1/02

~~Work~~/Decommission Completed Date 5/1/02

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Eric Nayssav

Driller/Engineer/Trainee Signature Eric Nayssav

Driller or Trainee License No 2482

If trainee, licensed driller's Signature and License no ____

Construction/Design	Well Data	Formation Description
Riser Screen 12.5'-15'	temporary, steel Screen installed for H2O sample All downhole equipment removed, hole backfilled w/ Bentonite	surface to 8' gravel, Sand, (f-m) - Fill material 8' to 11' Sandy Fill, trace gravel - Dark slag layer 8-11 11' - 15' gravel, Sandy Fill

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Scale 1 = ____

ECY 050 12 (Rev 2/01)

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. A 60908

Construction/Decommission *("x" in circle)*

155952

O Construction

X Decommission *ORIGINAL INSTALLATION Notice of Intent Number*

Type of Well *("x" in circle)*

X Resource Protection 23-4E-18A

O Geotech Soil Boring

Property Owner Conoco Phillips # 6382

Consulting Firm Secor

Site Address 12805 1st AVE S.

Unique Ecology Well ID Tag No: ~

City Burien County: King

Location NE 1/4 NE 1/4 Sec 18 Twn 23N R 4E E W M *circle one* or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

X Driller ☐ Engineer ☐ Trainee Name (Print) Andrew Flagan

Driller/Engineer/Trainee Signature

Driller or Trainee License No. 2551

Tax Parcel No. ~

Cased or Uncased Diameter 2" Static Level: ~

Work/Decommission Start Date 9/1/04

Work/Decommission Completed Date 9/1/04

If trainee, licensed driller's Signature and License no. ~

Well Data 4523-

Construction/Design	Formation Description
CONCRETE SURFACE SEAL	0 - ft.
BACKFILL w/bentchips in place	— ft.
	— ft.
DEPTH OF BORING 45' "	

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CLIENTS WELL ID #

MW-6

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768 AE18174

Construction/Decommission 462666

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* SE 45768

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: ATC Associates

Property Owner: Circle K

Site Address: 12660 1st Ave S

City: Seattle County: King

EWM

Unique Ecology Well ID

Tag No.

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Driller/Trainee Signature x

Driller/Trainee License No. 2867

Tax Parcel No.

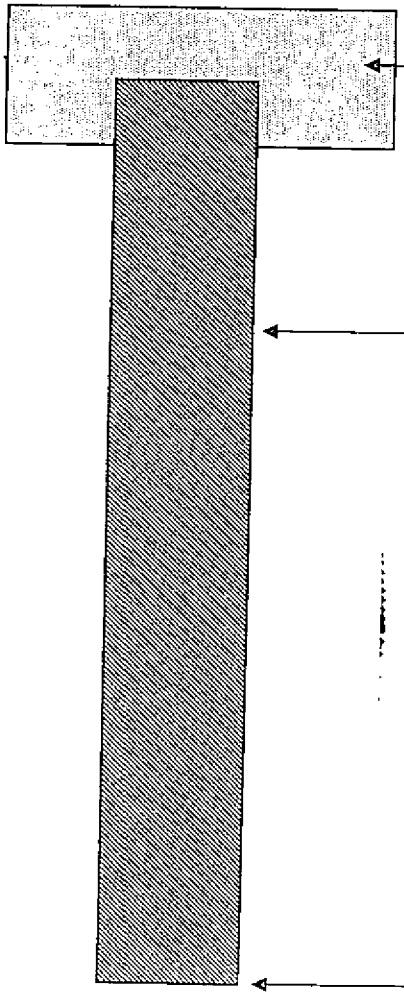
Cased or Uncased Diameter 8"/4" Static Level Dry

Work/Decommision Start Date 7-19-12

If trainee, licesned drillers' Signature and License No.

Work/Decommision Completed Date 7-19-12

Construction/Design



Well Data W12421

CONCRETE SURFACE SEAL 4 FT

BACKFILL 46 FT

Bent. Chips

DEPTH OF BORING 50 FT

Formation Description

0 - 50 FT

Very loose sands w/ silts & gravels

0 - FT

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768 AE18174

Construction/Decommission 462667

Type of Well

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* SE45768

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: Circle K

Site Address: 12660 1st Ave S

Consulting Firm: ATC Associates

City: Seattle County: King

Unique Ecology Well ID

Tag No.

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E [EWM] or [ ] WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Tax Parcel No.

Driller/Trainee Signature X

Driller/Trainee License No. 2867

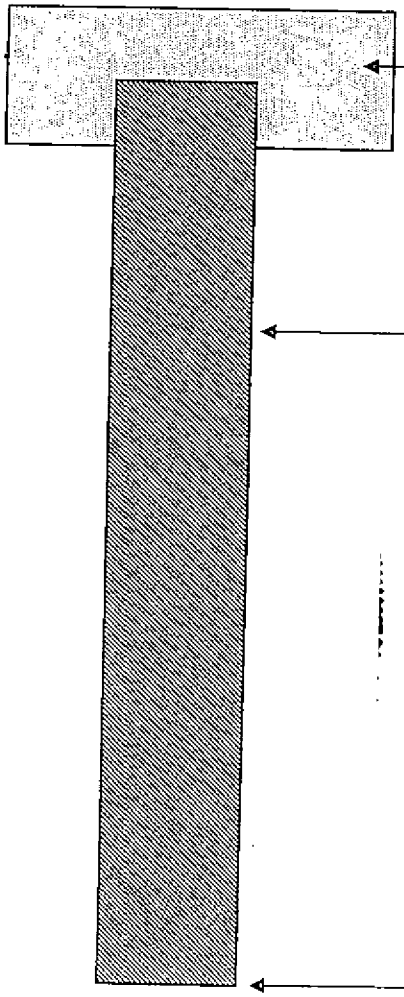
Cased or Uncased Diameter 8 1/4" Static Level DTW

If trainee, licesned drillers' Signature and License No.

Work/Decommision Start Date 7-18-12

Work/Decommision Completed Date 7-19-12

Construction/Design



CONCRETE SURFACE SEAL 4 FT — 0 - 50 FT — Very loose sands w/ silts & gravels

BACKFILL 46 FT — 0 - FT — Bent. Chips

DEPTH OF BORING 50 FT

Well Data W12421

Formation Description

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768 AE18174

Construction/Decommission 467668

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* SE45768

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: Circle K

Site Address: 12660 1st Ave S

Consulting Firm: ATC Associates

City: Seattle County: King

Unique Ecology Well ID

Tag No.

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Driller/Trainee Signature X

Driller/Trainee License No. 2867

Tax Parcel No.

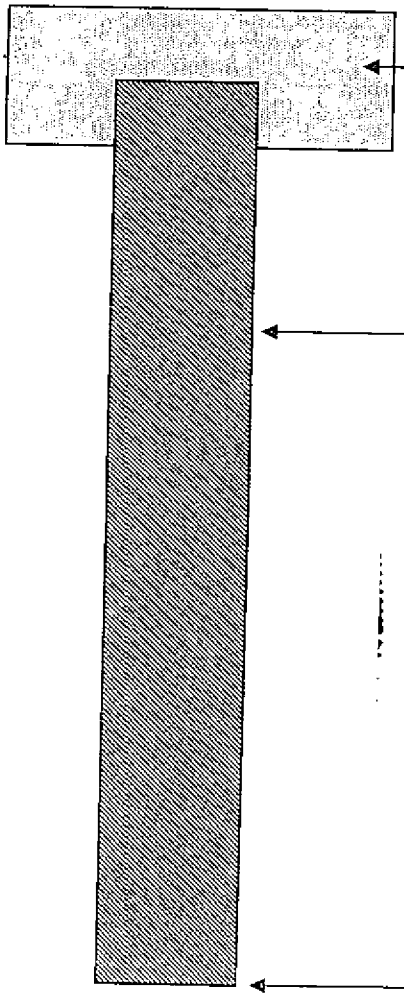
Cased or Uncased Diameter 8 1/4 in. Static Level N/A

Work/Decommision Start Date 7-18-12

If trainee, licesned drillers' Signature and License No.

Work/Decommision Completed Date 7-18-12

Construction/Design — Well Data W12421 — Formation Description



CONCRETE SURFACE SEAL 4 FT — 0 - 50 FT — Very dense sand w/ some gravels

BACKFILL 46 FT — 0 - FT — Bent. Chips

DEPTH OF BORING 50 FT

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768 AE18174

Construction/Decommission 462669

Type of Well

[X] Construction

[X] Resource Protection

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* SE 45768

[ ] Geotechnical Soil Boring

Property Owner: Circle K

Consulting Firm: ATC Associates

Site Address: 12660 1st Ave S

City: Seattle County: King

Unique Ecology Well ID

Tag No.

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Driller/Trainee Signature x

Driller/Trainee License No. 2867

Tax Parcel No.

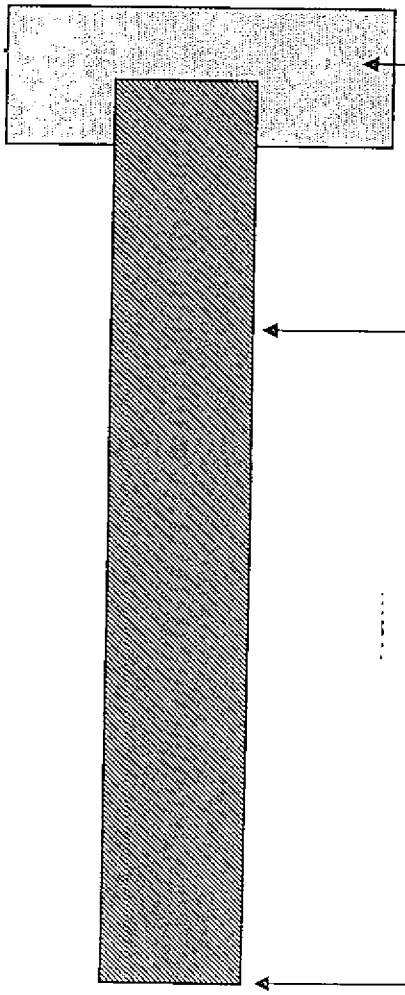
Cased or Uncased Diameter 8 1/4" Static Level N/A

If trainee, licesned drillers' Signature and License No.

Work/Decommision Start Date 7-18-12

Work/Decommision Completed Date 7-19-12

Construction/Design



Well Data W12421

CONCRETE SURFACE SEAL 4 FT

BACKFILL 46 FT

15 bent chips

DEPTH OF BORING 50 FT

Formation Description

0 - 50 FT

very loose sands w/ silts & gravels

0 - FT

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Scale 1" = Page of

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768AE18174

Construction/Decommission 462670

Type of Well

[X] Construction

[X] Resource Protection

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* SE45768

[ ] Geotechnical Soil Boring

Property Owner: **Circle K**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Associates**

City: **Seattle** County: **King**

EWM

Unique Ecology Well ID

Tag No.

Location 1/4 **SW** 1/4 **SW** Sec **8** Twn **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No.

[X] Driller [ ] Trainee Name (Print) **Curtis Askew**

Driller/Trainee Signature x

Driller/Trainee License No. **2867**

Cased or Uncased Diameter 8 1/4" Static Level n/k

Work/Decommision Start Date 7-19-12

If trainee, licesned drillers' Signature and License No.

Work/Decommision Completed Date 7-19-12

Construction/Design	Well Data W12421	Formation Description
CONCRETE SURFACE SEAL	5 FT	0 - 55 FT Very dense sands w/ silts & gravels
BACKFILL	50 FT Bent. Chips	0 - FT
DEPTH OF BORING	55 FT	

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DEPT OF ECOLOGY
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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Unknown

Consulting Firm Leidos

Unique Ecology Well IDTag No. BBF 751

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 61'	MW-10 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: 65417

Consulting Firm Leidos

Unique Ecology Well IDTag No. AHN 535

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

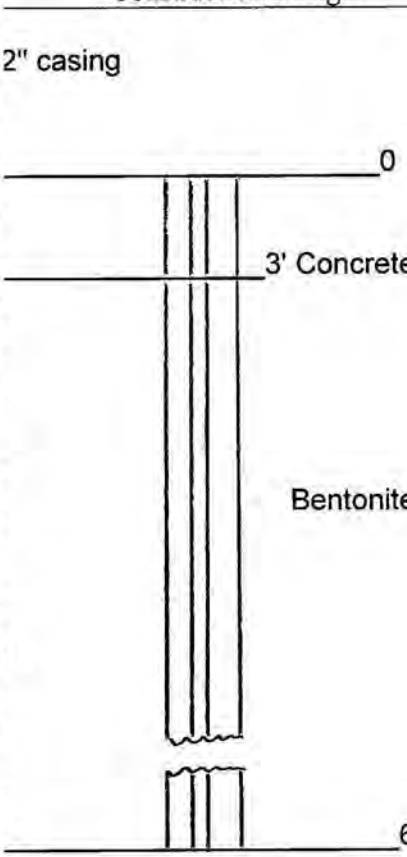
Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
	MW-13 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

SCALE: 1"= ____ PAGE ____ OF ____

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DEPT OF ECOLOGY
NWRO - WR

ECY 050-12 (Rev. 7/06)

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

67296

Consulting Firm Leidos

Unique Ecology Well IDTag No. APB 656

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 60'	MW-14 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

RECEIVED

FEB 22 2016

DEPT OF ECOLOGY
NWRO - WR

SCALE: 1"= ____ PAGE ____ OF ____

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

65417

Consulting Firm Leidos

Unique Ecology Well IDTag No. AHN 530

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

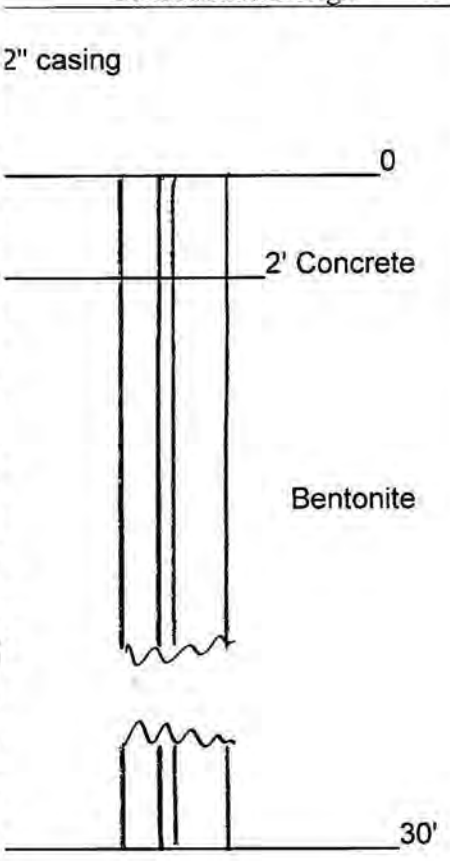
Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2 Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/15/15

Construction Design	Well Data	Formation Description
	VE-1 Chip in Place Decommision by filling with bentonite chips to 2" below surface and concrete to the surface.	not recorded

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SCALE: 1"= ____ PAGE ____ OF ____

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

Consulting Firm Leidos

City Burien County King

Unique Ecology Well IDTag No.

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____

Long Deg _____ Min _____ Sec _____

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

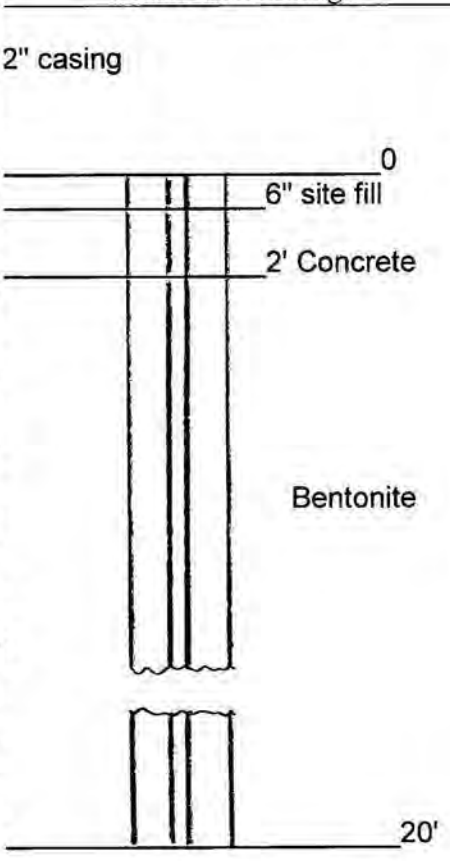
Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/13/15

Work/Decommission Completed Date 10/14/15

Trainee, licensed driller's Signature and License Number:

Construction Design	Well Data	Formation Description
	MW-2 - Overdrilled Decommision by pre-clearing with vac. Overdrilled with 4.25" Hollow Stem Auger. Backfilled with bentonite chips to 2' bgs, concrete to 6" and site fill to surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Consulting Firm Leidos

Unique Ecology Well IDTag No. BBF 451

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/13/15

Work/Decommission Completed Date 10/14/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 43'	MW-5 - Overdrilled Decommision by pre-clearing with vac. Overdrilled with 6.25" Hollow Stem Auger. Backfilled with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Unknown

Consulting Firm Leidos

Unique Ecology Well IDTag No. ALS 932

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 59'	MW-11 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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:ESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

;UBMIT ONE WELL REPORT PER WELL INSTALLED)

onstruction/Decommission *("x" in box)*

] Construction

☒ Decommission

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

'RIGINAL INSTALLATION Notice of Intent Number:

67296

Property Owner 76 Products

Site Address 12805 1st Avenue South

onsulting Firm Leidos

City Burien County King

'nique Ecology Well IDTag No. APB 658

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

/ELL CONSTRUCTION CERTIFICATION: I constructed and/or :cept responsibility for construction of this well, and its compliance with all 'ashington well construction standards. Materials used and the information reported ›ove are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Driller ☐ Engineer ☐ Trainee

ame (Print Last, First Name) Flaherty, Scott

riller/Engineer /Trainee Signature

riller or Trainee License No. 3118

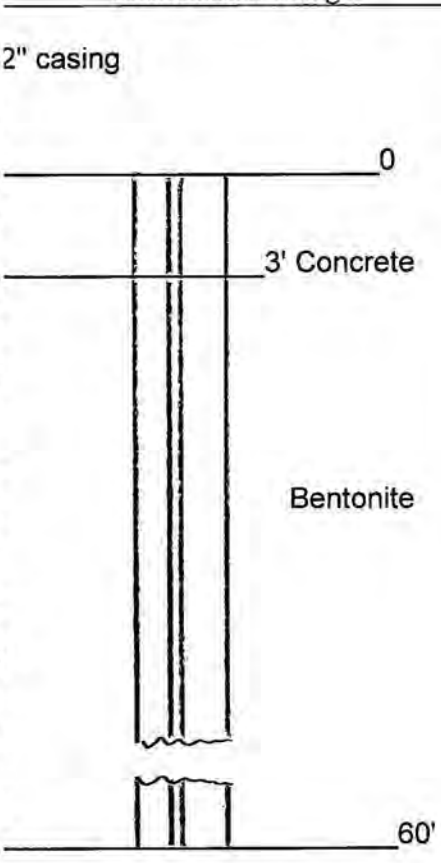
Tax Parcel No.

Cased or Uncased Diameter 2" Static Level ____

Work/Decommission Start Date 10/13/15

Work/Decommission Completed Date 10/14/15

' trainee, licensed driller's Signature and License Number:

Construction Design	Well Data	Formation Description
	MW-13a Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

4845

Consulting Firm Leidos

Unique Ecology Well IDTag No. unknown

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2 Static Level

Work/Decommission Start Date 10/14/15

Work/Decommission Completed Date 10/15/15

Construction Design	Well Data	Formation Description
2" casing 0 2' Concrete Bentonite 45'	MW-7 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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SCALE: 1"= ____ PAGE ____ OF ____

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Consulting Firm Leidos

Unique Ecology Well IDTag No. BBF 457

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

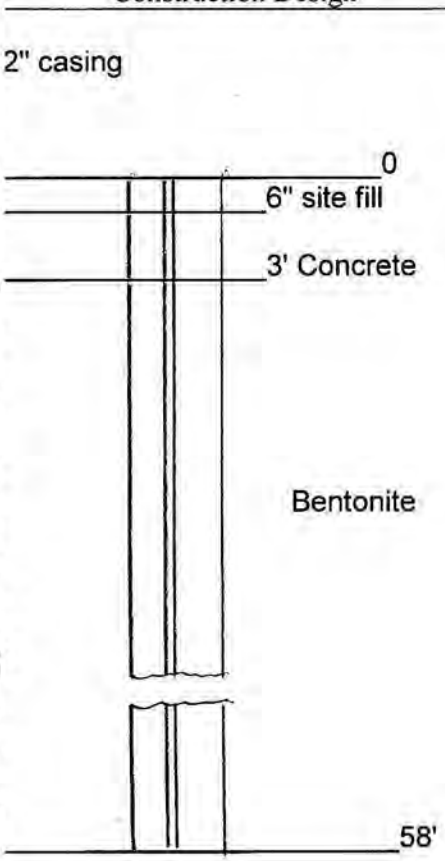
Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/14/15

Work/Decommission Completed Date 10/15/15

Construction Design	Well Data	Formation Description
	MW-4 - Overdrilled Decommision by pre-clearing with vac. Overdrilled with 6.25" Hollow Stem Auger. Backfilled with bentonite chips to 3' bgs, concrete to 6" and site fill to surface.	not recorded

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SCALE: 1"= ____ PAGE ____ OF ____

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Unknown

Consulting Firm Leidos

Unique Ecology Well IDTag No. BBF 561

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2 Static Level

Work/Decommission Start Date 10/14/15

Work/Decommission Completed Date 10/15/15

Construction Design	Well Data	Formation Description
2" casing 0 2' Concrete Bentonite 63'	MW-3 Chip in Place Decommision by filling with bentonite chips to 2' below surface and concrete to the surface. Variance approved	not recorded

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:ESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

:UBMIT ONE WELL REPORT PER WELL INSTALLED)

onstruction/Decommission *("x" in box)*

] Construction

☒ Decommission

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

'RIGINAL INSTALLATION Notice of Intent Number:

4846

Property Owner 76 Products

Site Address 12805 1st Avenue South

onsulting Firm Leidos

City Burien County King

nique Ecology Well IDTag No. unknown

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

/ELL CONSTRUCTION CERTIFICATION: I constructed and/or cept responsibility for construction of this well, and its compliance with all ashington well construction standards. Materials used and the information reported ove are true to my best knowledge and belief.

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Driller ☐ Engineer ☐ Trainee

ame (Print Last, First Name) Flaherty, Scott

riller/Engineer /Trainee Signature

riller or Trainee License No. 3118

Tax Parcel No.

Cased or Uncased Diameter 4" Static Level

Work/Decommission Start Date 10/12/15

trainee, licensed driller's Signature and License Number:

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
4" casing 0 3' Concrete Bentonite 70'	MW-9 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

nknown

Consulting Firm Leidos

Unique Ecology Well IDTag No. BBF 458

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/13/15

Work/Decommission Completed Date 10/14/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 56'	MW-12 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE34194

SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

165417

Consulting Firm Leidos

Unique Ecology Well IDTag No. APB 657

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Flaherty, Scott

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3118

Trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner 76 Products

Site Address 12805 1st Avenue South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23N R 4E

EWM ☐ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg ____ Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter 2" Static Level

Work/Decommission Start Date 10/12/15

Work/Decommission Completed Date 10/13/15

Construction Design	Well Data	Formation Description
2" casing 0 3' Concrete Bentonite 65'	MW-15 Chip in Place Decommision by filling with bentonite chips to 3' below surface and concrete to the surface.	not recorded

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RESOURCE PROTECTION WELL REPORT

This is a report of the activities of a licensed Washington well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered.

Decommissioning

Type of Well: Geotech Soil Boring
Number of Wells: 10
Type of Work: New
Method: Auger
Drilling Start Date: 11/6/2018
Drilling Completion Date: 11/6/2018
Received by Ecology: 11/18/2018 6:21 PM

Dimensions:
Diameter of borehole before decommissioning: 8 in
Well depth before decommissiong: 20 ft 0 in

Construction Details

Casings:

From Depth	To Depth	Type	Diameter	Stickup
N/A				

Perforations:

Type	Size	Total Perforations	From Depth	To Depth
N/A				

Screens:

Manufacturer	Type	Dia-meter	Slot Size	From Depth	To Depth
N/A					

Sand/Gravel Packings:

Material	From Depth	To Depth
N/A		

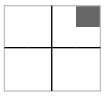
Individual Well Details

Well	Driller's Identifier	Decom Sealing Materials
1		Bentonite
2		Bentonite
3		Bentonite
4		Bentonite
5		Bentonite
6		Bentonite
7		Bentonite
8		Bentonite
9		Bentonite
10		Bentonite

Additional Well Decommissioning Information
None

Construction Notice of Intent Number: SE68069
Decommissioning Notice of Intent Number: AE51973
Unique Ecology Well ID Tag Number: N/A
Property Owner Name: CITY OF BURIEN
Property Owner Address: 15811 AMBAUM BLVD SW SUITE C, BURIEN, WA 98166

Well Location:
Well Street Address:
City, State, Zip: WA
County: King
Township: 23N Range: 4E Section: 18 in the NE 1/4 of the NE 1/4



Well Head Elevation:
Elevation Datum:
Elevation Method:
Latitude (DD): Longitude (DD):
Datum:
Horizontal Coordinate Collection Method:
Tax parcel No.:

Lithology

Layer: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information.

From	To	Material
0 ft 0 in	20 ft 0 in	SAND AND GRAVEL

Well Construction Certification: I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards. Material used and information reported above are true to the best of my knowledge and belief.

Driller/Engineer/Trainee Printed Name: BLAINE GIBSON	Drilling Company: GEOLOGIC DRILL PARTNERS INC
Driller or trainee License Number: 3201	Address: 137 118th AVE SE
If trainee, Driller's License Number:	City, State, Zip: BELLEVUE, WA, 98005

The Department of Ecology does NOT Warranty the Data and/or the information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

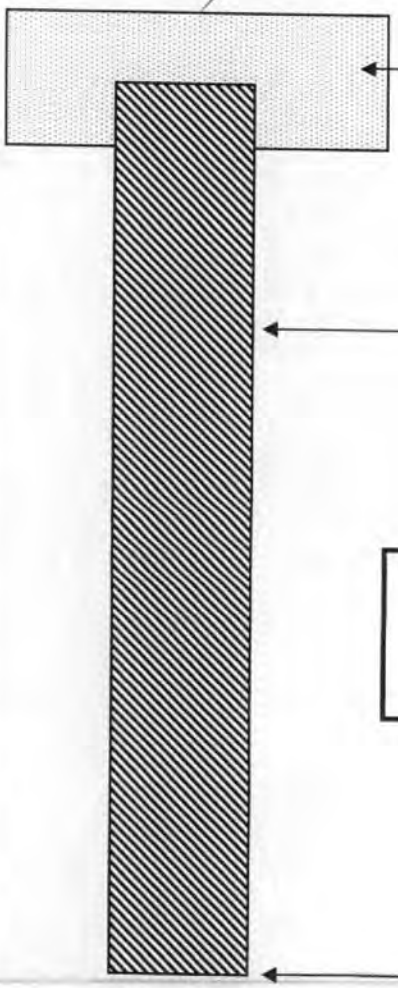
(Cased) or Uncased Diameter 4" Well Static Level 42'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10-24-18

Work/Decommision Completed Date 10-24-18

Construction/Design



Well Data 103-18-1510

Formation Description

CONCRETE SURFACE SEAL 3' FT — 0 - 50' FT
Decommission 50', 4" By Chip in place

BACKFILL 47' FT (Bent. chips) — 0 - FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-2

DEPTH OF BORING 50' FT

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM ☐ EWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

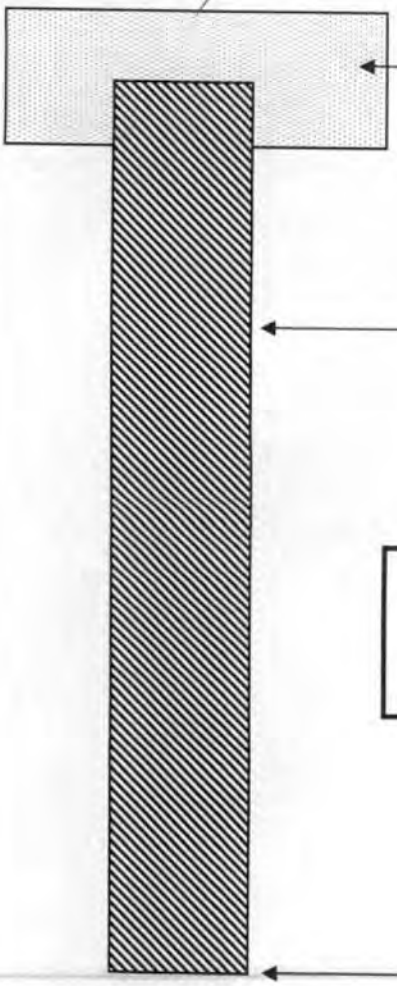
Cased or Uncased Diameter 4" Well Static Level 6ft

Work/Decommision Start Date 10-24-18

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design



Well Data 103-18-1510

Formation Description

CONCRETE SURFACE SEAL	2' FT	0 - 94' FT Decommission 94', 4" By chip in place
BACKFILL	91' FT Bent. chips	0 - FT
DEPTH OF BORING	94' FT	

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-5

RECEIVED
DEPT OF ECOLOGY
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ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm **ATC Group**

Property Owner **Burien 76 Food Mart**

Site Address **12660 1st Ave S**

City **Burien** County **King**

Unique Ecology Well ID
Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** ☐ EWM ☐ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

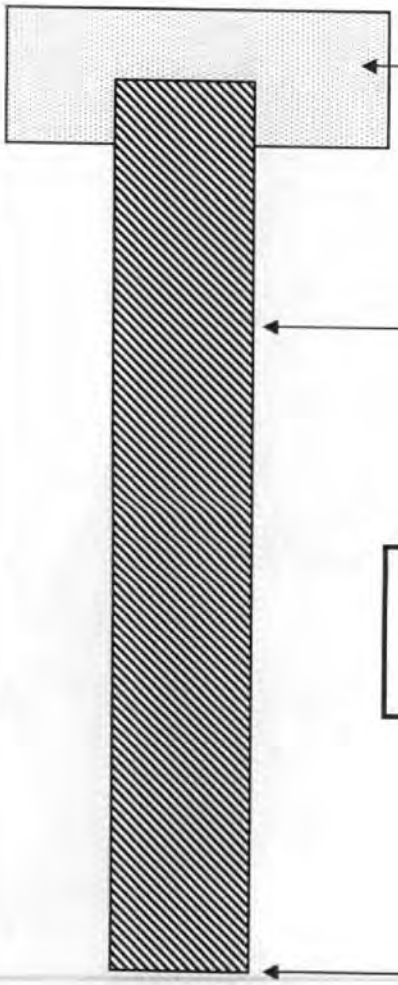
Cased or Uncased Diameter 4" Static Level 4'9½

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10-25-18

Work/Decommision Completed Date 10-25-18

Construction/Design



Well Data 103-18-1510

CONCRETE SURFACE SEAL 4' FT

BACKFILL 76' FT

Bentonite chips

DEPTH OF BORING 80' FT

Formation Description

0 - 80' FT
Decommission 80', 4"
By chip in place

0 - FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-4

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ECY 050-12 (Rev 2/01)

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

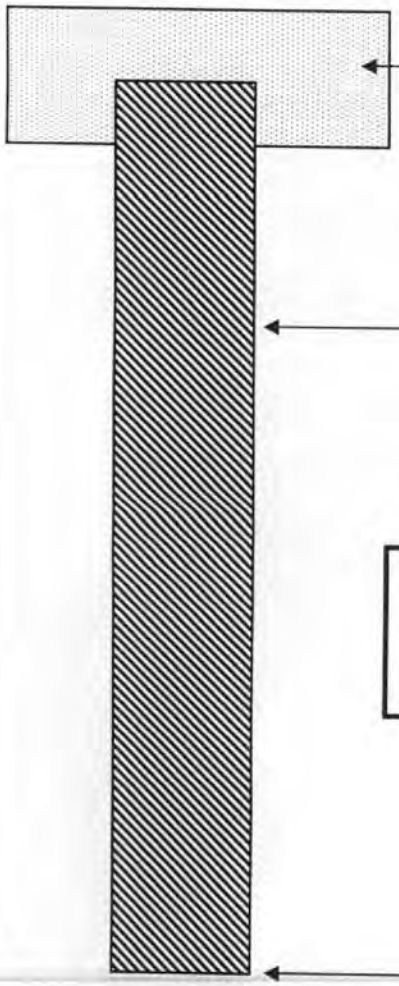
Cased or Uncased Diameter 4" Static Level 39'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10-30-18

Work/Decommision Completed Date 10-30-18

Construction/Design



Well Data 103-18-1510

CONCRETE SURFACE SEAL 4" FT

BACKFILL 46' FT

DEPTH OF BORING 50' FT

Formation Description

0 - 50' FT

Decommission 50' 4" By chip in place

0 - _____ FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-1

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ECY 050-12 (Rev 2/01)

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Group**

City: **Burien** County: **King**

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** ☐ EWM ☐ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. **144680-0380**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

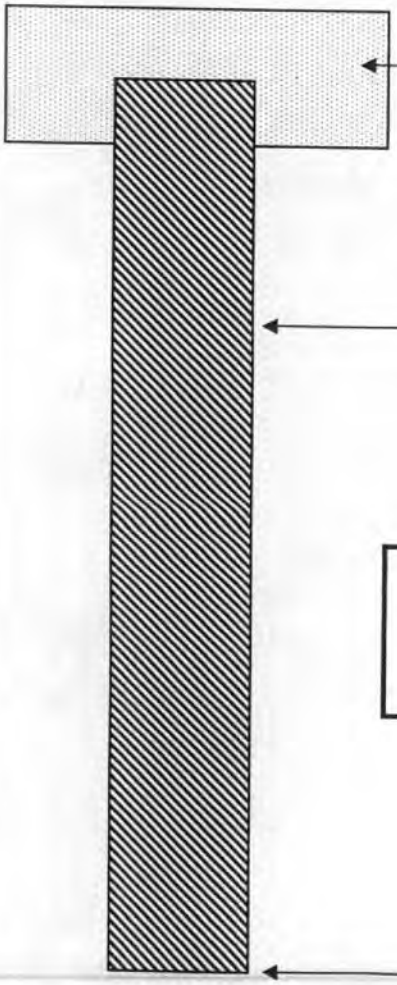
Cased or Uncased Diameter 4" LICH Static Level 43'

Work/Decommision Start Date 10-24-18

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design Well Data 103-18-1510 Formation Description



CONCRETE SURFACE SEAL 3' FT — 0 - 54' FT — Decommission 54', 4" By chip in place

BACKFILL 51' FT — 0 - FT — Bent. chips

DEPTH OF BORING 54' FT

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-1e

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ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. AE51531

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm: **ATC Group**

Property Owner: **Burien 76 Food Mart**

Site Address: **12660 1st Ave S**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) **James Goble**

Driller/Trainee Signature _____

Driller/Trainee License No. **3131**

Tax Parcel No. **144680-0380**

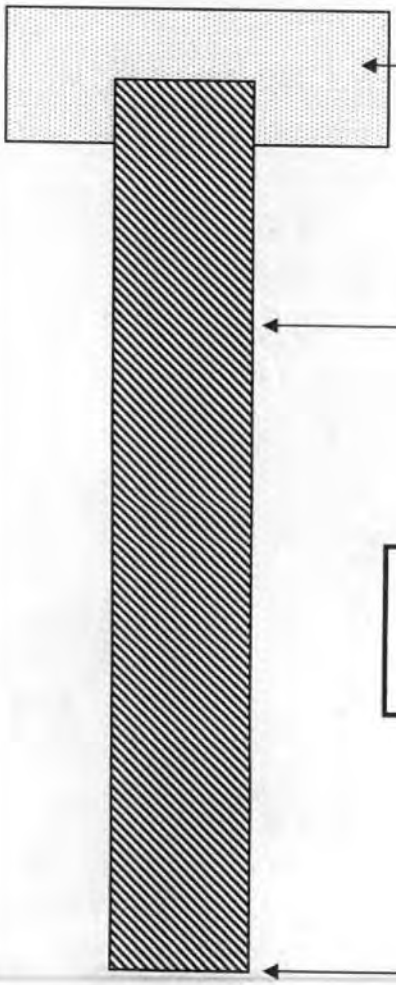
Cased or Uncased Diameter 4" Static Level 59'

If trainee, licensed drillers' Signature and License No. _____

Work/Decommision Start Date 10-25-18

Work/Decommision Completed Date 10-25-18

Construction/Design — Well Data 103-18-1510 — Formation Description



CONCRETE SURFACE SEAL 4' FT — 0 - 75' FT

Decommission 75' 4" Bg chip in place

BACKFILL 71' FT — 0 - FT

Bentonite chips

REQUIRED INFORMATION
(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: GW-3

DEPTH OF BORING 75' FT

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE67800

Type of Well AE51577

Construction/Decommission

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

[ ] Resource Protection

[X] Geotechnical Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

Consulting Firm GHD

City Burien County King

Unique Ecology Well ID

Tag No. B-4

Location 1/4 NE 1/4 NE Sec 18 Twn 23 R 4 ~~EWM~~ or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) David Dickinson

Driller/Trainee Signature _____

Driller/Trainee License No. 3017

Cased or Uncased Diameter 6"

Static Level N/A

Work/Decommision Start Date 10-23-18

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 10-23-18

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	2 FT	0 - 6 FT FILL
BACKFILL	58 FT Bentonite chips	86 - 60 FT TILL w/ sand seams.
DEPTH OF BORING	60 FT	0 FT

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ECY 050-13 (Rev. 3/01)

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. SE607800
Type of Well AES1577

Construction/Decommission

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

[ ] Resource Protection

[X] Geotechnical Soil Boring

Property Owner Eui Sung Cha

Site Address 12805 1st Ave South

Consulting Firm GHD

City Burien County King

Unique Ecology Well ID
Tag No. B-1

Location 1/4 NE 1/4 NE Sec 18 Twn 23 R 4 or (WM) WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) David Dickinson

Driller/Trainee Signature

Driller/Trainee License No. 3017

Cased or Uncased Diameter 6" Static Level N/A

Work/Decommision Start Date 11-1-18

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 11-1-18

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	2 FT	0 - 3 FT FILL
BACKFILL	58 FT Bentonite Chips	3 - 12 FT Pea Gravel
		12 - 60 FT Till w/ sand seams.
DEPTH OF BORING	60 FT	

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ECY 050-12 (Rev. 2-01)

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RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE67800
AES1577

Construction/Decommission

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[ ] Resource Protection

[X] Geotechnical Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

Consulting Firm GHD

City Burien County King

Unique Ecology Well ID

Tag No. B-2

Location 1/4 NE 1/4 NE Sec 18 Twn 23 R 4 (E)WM or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) David Dickinson

Driller/Trainee Signature _____

Driller/Trainee License No. 3017

Cased or Uncased Diameter 6"

Static Level N/A

Work/Decommision Start Date 10-30-18

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 10-30-18

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	2 FT	0 - 3 FT Fill
BACKFILL	58 FT Bentonite chips	3 - 12 FT Pea Gravel
		12 - 60 FT Till w/ some Sand Seams
DEPTH OF BORING	60 FT	

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
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NORTHWEST REGIONAL OFFICE

Scale 1" = _____ Page _____ of _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE67800

Type of Well AE51577

Construction/Decommission

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

[ ] Resource Protection

[X] Geotechnical Soil Boring

Property Owner Fui Jung Chg

Site Address 12805 1st Ave South

Consulting Firm GHD

City Burien County King

Unique Ecology Well ID

Tag No. B-3

Location 1/4 NE 1/4 NE Sec 18 Twn 23 R 4 (EWM) or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) David Dickinson

Driller/Trainee Signature _____

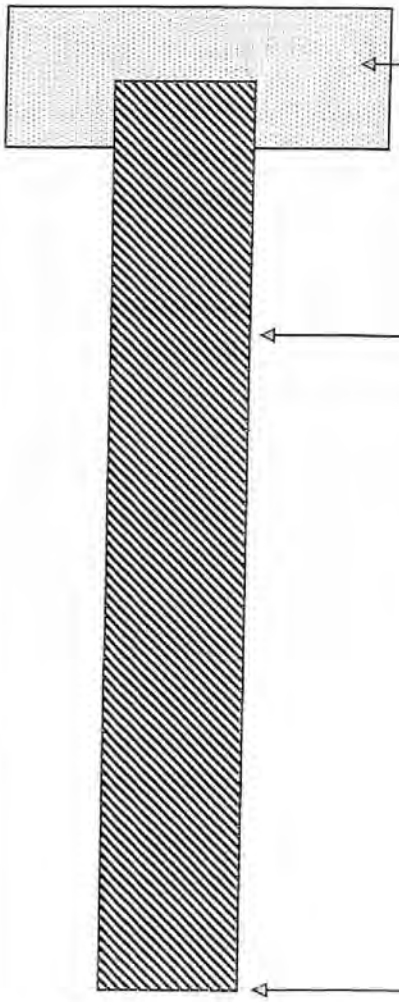
Driller/Trainee License No. 3017

Cased or Uncased Diameter 6" Static Level N/A

Work/Decommision Start Date 10-24-18

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 10-24-18

Construction/Design	Well Data	Formation Description
	CONCRETE SURFACE SEAL 2 FT	0 - 4.5 FT FILL
	BACKFILL 58 FT Bentonite Chips	4.5 - 60 FT TILL w/ sand seams.
	DEPTH OF BORING 60 FT	0 FT

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

Scale 1" = ____

Page ____ of ____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE67800

Type of Well AE51577

Construction/Decommission

[X] Construction

[X] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

[ ] Resource Protection

[X] Geotechnical Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

Consulting Firm GHD

City Burien County King

Unique Ecology Well ID

Tag No. B-5

Location 1/4 NE 1/4 NE Sec 18 Twn 23 R 4 (EWM) or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) David Dickinson

Driller/Trainee Signature _____

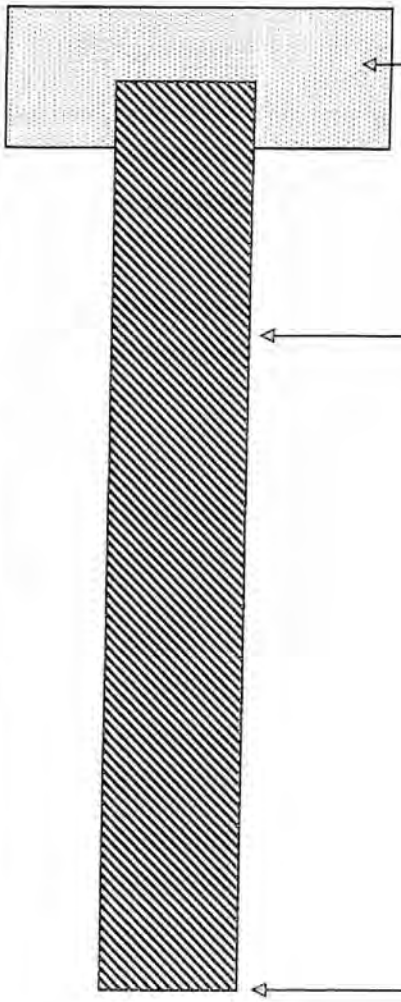
Driller/Trainee License No. 3017

Cased or Uncased Diameter 6" Static Level N/A

Work/Decommision Start Date 10-22-18

If trainee, licesned drillers' Signature and License No. _____

Work/Decomunision Completed Date 10-22-18

Construction/Design	Well Data	Formation Description
	CONCRETE SURFACE SEAL 2 FT	0 - 4 FT FILL
	BACKFILL 68 FT Bentonite Chips	4 - 70 FT TILL
	DEPTH OF BORING 70 FT	0 FT

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
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NORTHWEST REGIONAL OFFICE

Scale 1" =

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

23-4-8N

START CARD NO. R06441

Air Sparge

PROJECT NAME: CIRCLE K # 1476

WELL IDENTIFICATION NO. ACQ 109 A14

DRILLING METHOD: HSA

DRILLER: RODNEY LA BRESSE

FIRM: Cascade Drilling, Inc.

SIGNATURE: Rodney LaBresse

CONSULTING FIRM: JECOR

REPRESENTATIVE: CURT GODDARD

COUNTY: KING

LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E

STREET ADDRESS OF WELL: 12660 - 1st Ave S - Burien

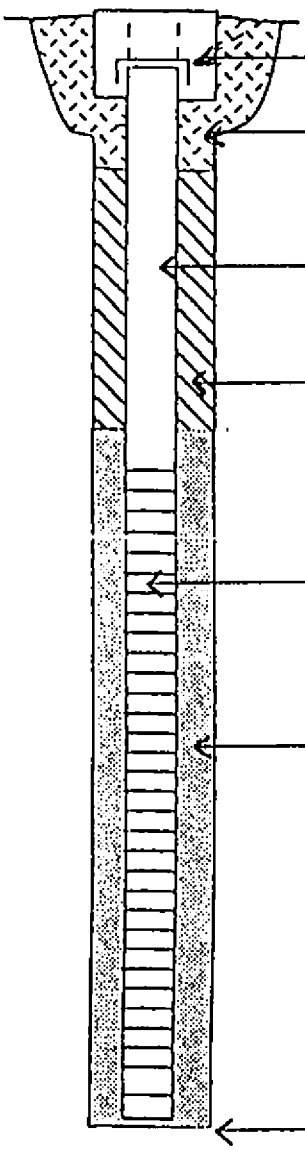
WATER LEVEL ELEVATION: 75'

GROUND SURFACE ELEVATION: N/A

INSTALLED: 10-1996

DEVELOPED: NO

6464

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 84' BACKFILL ____ ft. TYPE: Volclay 2-5 65' Bentchip 65 83 PVC SCREEN 2 "x 5' SLOT SIZE: 020 GRAVEL PACK 83ft. MATERIAL: 2/12 WELL DEPTH 89' "	0 - 7 ft. Brown sands 7 - 80 ft. [redacted] grey silty sand, cobbles 80 - 89 ft. fine sands

RECEIVED
NOV 05 1996
DEPT. OF ECOLOGY

SCALE: 1" = _____ PAGE _____ OF _____

ECY 050-12 (Rev. 11/09)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

START CARD NO. R26135

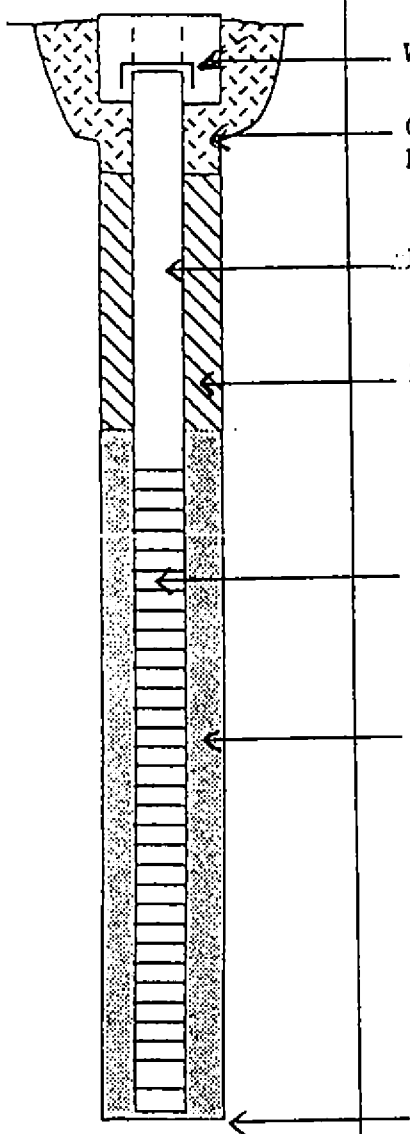
PROJECT NAME: CIRCLE K STORE
WELL IDENTIFICATION NO. ABJ 892 / MW-3
DRILLING METHOD: H.S.A.
DRILLER: RODNEY LA BROSSE
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBrosse
CONSULTING FIRM: SEACOR
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: NE¼ NE¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 1ST AVE SO.

WATER LEVEL ELEVATION: 64'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-19-94
DEVELOPED: N/A

4/62

AS-BUILT



WELL DATA

WELL COVER
CONCRETE SURFACE SEAL DEPTH = 3 /ft
PVC BLANK 4 "x 15'0
BACKFILL 3 ft.@
TYPE: Bent-chip.
PVC SCREEN 4' "x 60'
SLOT SIZE: 020
GRAVEL PACK 13 ft.@
MATERIAL: 8/12
WELL DEPTH 25'0"

FORMATION DESCRIPTION

0 - 25 ft.
Till lt. brown fine silty sand and gravel

- ft.

- ft.

RECEIVED
MAY 12 1994
DEPT. OF ECOLOGY

SCALE: 1" = _____ PAGE _____ OF _____

ECY 050-12 (Rev. 11/89)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

START CARD NO. R26135

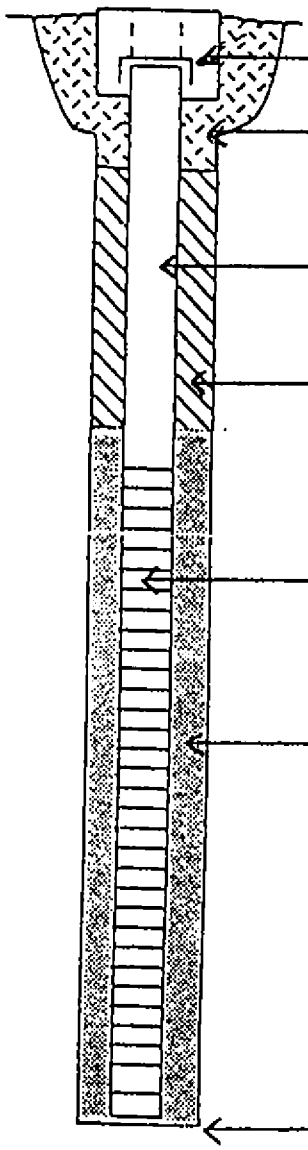
PROJECT NAME: CIRCLE K STORE
WELL IDENTIFICATION NO. ABJ 893 / MW-4
DRILLING METHOD: H.S.A.
DRILLER: RODNEY LA BROSSE
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBrosse
CONSULTING FIRM: STACOE
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: NE¼ NE¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 1ST AVE SO.

WATER LEVEL ELEVATION: N/A
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-19-94
DEVELOPED: N/A

4/62

AS-BUILT



WELL DATA

WELL COVER
CONCRETE SURFACE SEAL
DEPTH = 3 /ft
PVC BLANK 4 "x 14.0 0
BACKFILL 3ft. 0
TYPE: Bent. chip
PVC SCREEN 4 "x 65 0
SLOT SIZE: 020
GRAVEL PACK 12ft. 0
MATERIAL: 8/12
WELL DEPTH 79.0"

FORMATION DESCRIPTION

0 - 75 ft.
till fine lt brown sand and gravel

75 - 79 ft.
sand black to gray fine

- ft.

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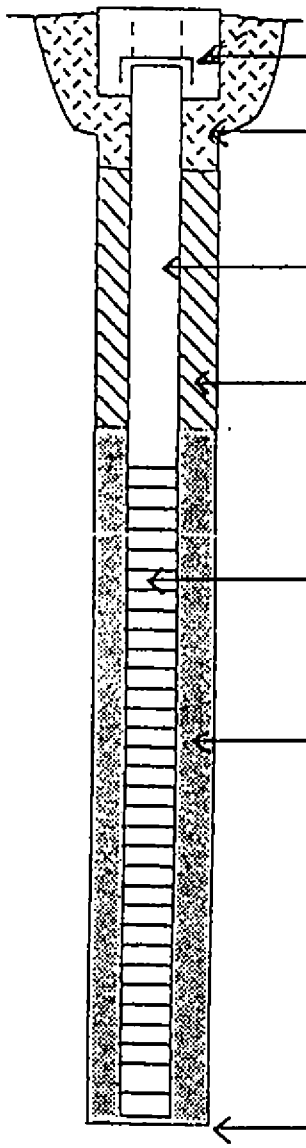
RESOURCE PROTECTION WELL REPORT

START CARD NO. R26135

PROJECT NAME: CIRCLE K STORE
WELL IDENTIFICATION NO. ABJ 894 MW5
DRILLING METHOD: H.S.A.
DRILLER: RODNEY LABOSSE
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBosse
CONSULTING FIRM: STACOE
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: NE¼ NE¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 1ST AVE SO.
WATER LEVEL ELEVATION: 80'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-20-94
DEVELOPED: N/A

4162

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 3 /ft PVC BLANK 4 "x 65'0 BACKFILL 3 ft.0 TYPE: Bent. chip PVC SCREEN 4 "x 25'0 SLOT SIZE: 020 GRAVEL PACK 13ft.0 MATERIAL: 8/12 WELL DEPTH 90' 0"	0 - 75 ft. Till ft. brown silty sand and gravel 75 - 90 ft. lt. brown fine sand - ft.

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RESOURCE PROTECTION WELL REPORT

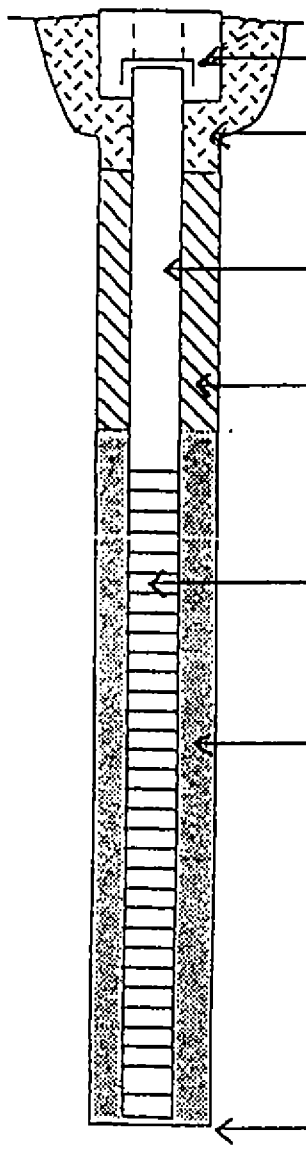
START CARD NO. R26135

PROJECT NAME: CIRCLE K STORE
WELL IDENTIFICATION NO. ABI 895 MW6
DRILLING METHOD: H.S.A.
DRILLER: RODNEY LA BROSSE
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBrosse
CONSULTING FIRM: STACOE
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: NE¼ NE¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 1ST AVE SO.

WATER LEVEL ELEVATION: 60'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-20-94
DEVELOPED: N/A

4162

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 3/ft PVC BLANK 4" x 45.0 BACKFILL 3 ft.0 TYPE: Bent chips PVC SCREEN 4" x 55.0 SLOT SIZE: 020 GRAVEL PACK 13 ft.0 MATERIAL: 8/12 WELL DEPTH 70.0 "	0 - 70 ft. till, lt brown silty sand and gravel - ft. - ft.

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23/4/18 A

RESOURCE PROTECTION WELL REPORT

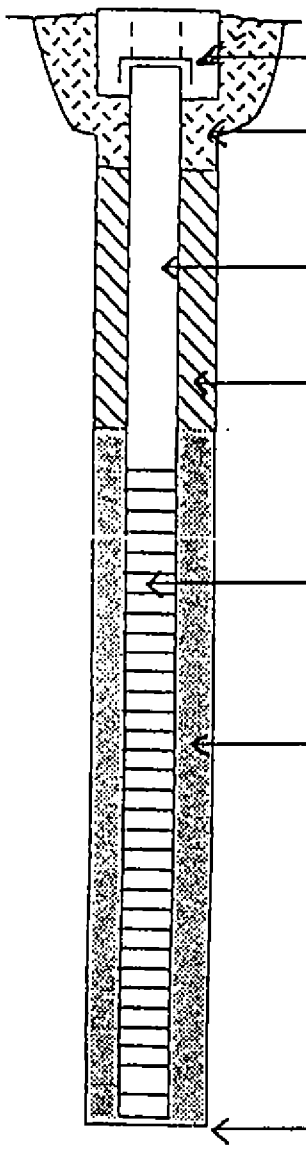
START CARD NO. R26135

PROJECT NAME: CIRCLE K STORE
WELL IDENTIFICATION NO. ABJ 896 #1
DRILLING METHOD: H.S.A.
DRILLER: RODNEY LA BOSSE
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBosse
CONSULTING FIRM: SEACOR
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: NE¼ NE¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 1ST AVE So.

WATER LEVEL ELEVATION: 55'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-21-94
DEVELOPED: N/A

4/62

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH 3 /ft PVC BLANK 2 "x 70'0 BACKFILL 3 ft.0 TYPE: Bent. chips PVC SCREEN 2 " x 5'0 SLOT SIZE: 020 GRAVEL PACK 67 ft.5 MATERIAL: 8/12 WELL DEPTH 75'0 "	0 - 75 ft. till lt. brown silty sand and gravel - ft. - ft.

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23/4E/8N

RESOURCE PROTECTION WELL REPORT

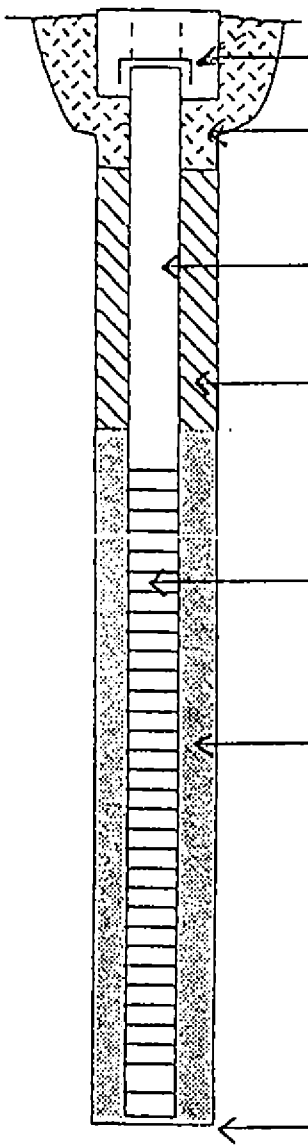
Redrill

START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476
WELL IDENTIFICATION NO. ABN 733
DRILLING METHOD: HSA
DRILLER: Scott Knueger
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR ENVIRONMENTAL
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL: 12660 - FIRST AVE SO. SEATTLE
WATER LEVEL ELEVATION: 83
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10-27-94
DEVELOPED: YES

4505

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 4 "x 63' BACKFILL 60 ft. TYPE: Bent chips PVC SCREEN 4 "x 30' SLOT SIZE: .010 GRAVEL PACK 32 ft. MATERIAL: 10/20 WELL DEPTH 93' "	0 - 80 ft. brown silty gravel "Till" 80 - 93 ft. gray fine sands - ft.

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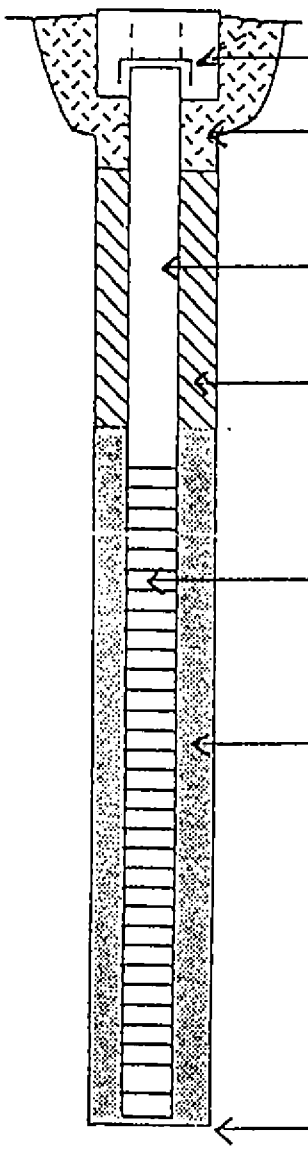
RESOURCE PROTECTION WELL REPORT

START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476
WELL IDENTIFICATION NO. ABN 949
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR ENVIRONMENTAL
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: SW¼ SW ¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL:
12660 - 1st Ave South
WATER LEVEL ELEVATION: 85
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10/25 - 94
DEVELOPED: yes

4505

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2"x 75' BACKFILL 71 ft. TYPE: Bent chips PVC SCREEN 2 "x 20' SLOT SIZE: 10/0 GRAVEL PACK 23 ft. MATERIAL: 10/20 colo WELL DEPTH 95. "	0 - 75 ft. brown Silty Sand gravel "Till" 75 - 95 ft. brown silty fine Sand - ft.

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RESOURCE PROTECTION WELL REPORT

23/4E/8N

START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476

WELL IDENTIFICATION NO. ABN 950

DRILLING METHOD: HSA

DRILLER: SCOTT KRUEGER

FIRM: Cascade Drilling, Inc.

SIGNATURE:

CONSULTING FIRM: SECOR ENVIRONMENTAL

REPRESENTATIVE: PETER KAHN

COUNTY: KING

LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E

STREET ADDRESS OF WELL: 12660 - 1st Ave South

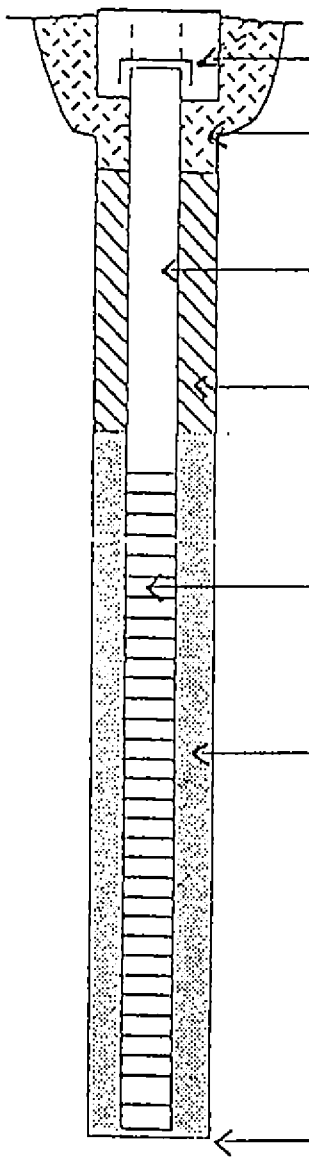
WATER LEVEL ELEVATION: 78

GROUND SURFACE ELEVATION: N/A

INSTALLED: 10-26-94

DEVELOPED: yes

4505

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 68' BACKFILL 65 ft. TYPE: Bent chips PVC SCREEN 2 "x 20' SLOT SIZE: .010 GRAVEL PACK 22 ft. MATERIAL: 10/20 colo WELL DEPTH 88 ' "	0 - 75 ft. brown Silty Sand, Some gravel Till 75 - 88 ft. gray silty Sand - ft.

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RESOURCE PROTECTION WELL REPORT

23/4E/8N

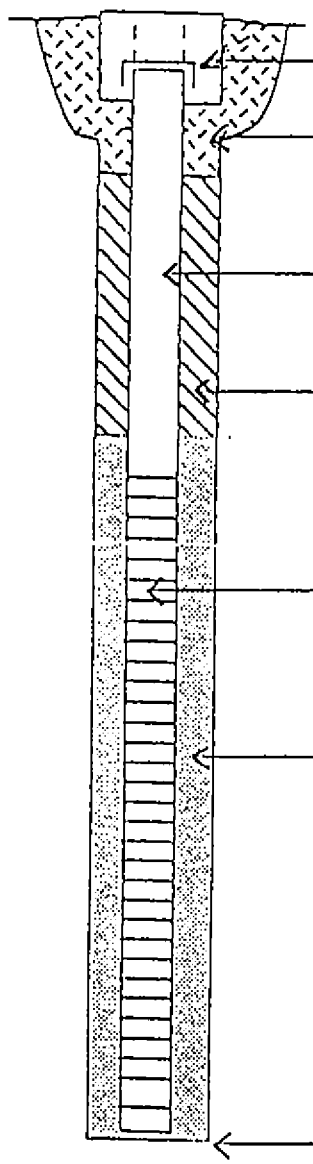
START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476
WELL IDENTIFICATION NO. ABN 951
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR ENVIRONMENTAL
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL:
12660 - 1st Ave South
WATER LEVEL ELEVATION: 82'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10-26-94
DEVELOPED: 4 OS

4505

AS-BUILT



WELL DATA

WELL COVER
CONCRETE SURFACE SEAL
DEPTH = 1/ft
PVC BLANK 2 "x 70'
BACKFILL ____ ft.
TYPE: Bent chips
PVC SCREEN 2 "x20'
SLOT SIZE: .010
GRAVEL PACK 22 ft.
MATERIAL: 10/20 colo
WELL DEPTH 90 ' "

FORMATION DESCRIPTION

0 - 82 ft.
brown Silty Sand
Some gravel
"Till"
82 - 90 ft.
brown Silty fine
Sand
- ft.

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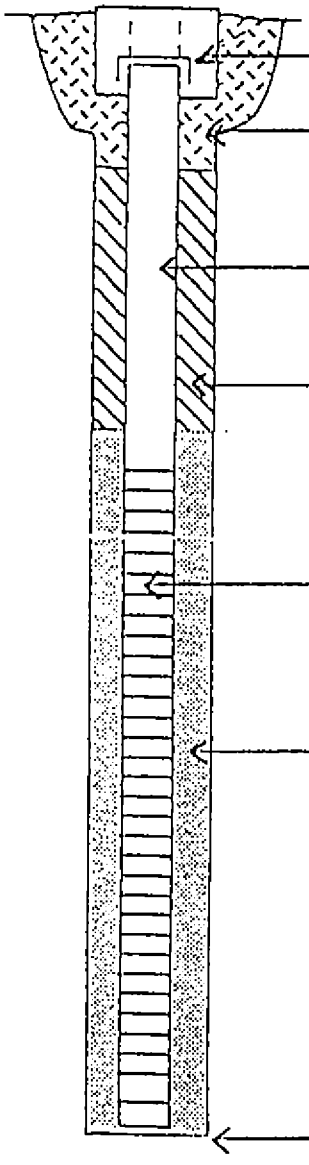
RESOURCE PROTECTION WELL REPORT

START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476
WELL IDENTIFICATION NO. ABN 952
DRILLING METHOD: HSA
DRILLER: SCOTT KRIEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR ENVIRONMENTAL
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: SW¼ SW¼ Sec 8 Twn 25N R 4E
STREET ADDRESS OF WELL: 12660 - 1st Ave South
WATER LEVEL ELEVATION: 83
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10/28/94
DEVELOPED: 4C5

4505

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 75' BACKFILL 72 ft. TYPE: Bent chips PVC SCREEN 2 "x 20' SLOT SIZE: .010 GRAVEL PACK 22 ft. MATERIAL: 10/20 c/o WELL DEPTH 95 ' "	0 - 80 ft. brown Silty gravel "Till" 80 - 95 ft. gray Fine Sands - ft.

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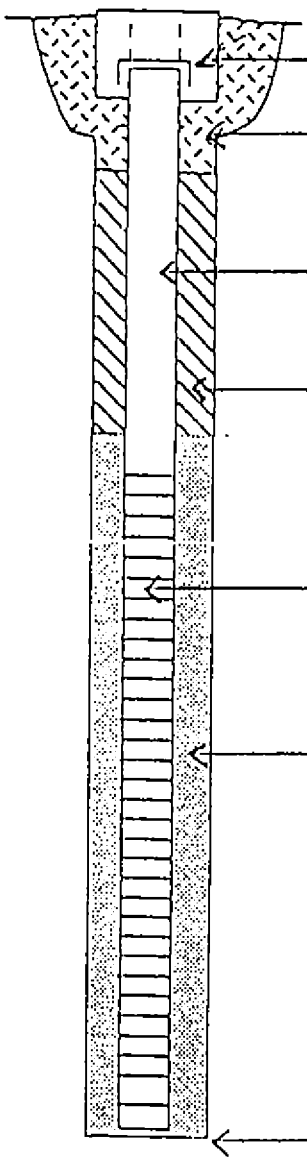
23/4E/8N

START CARD NO. R18909

PROJECT NAME: CIRCLE K STORE #1476
WELL IDENTIFICATION NO. ABN 953
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR ENVIRONMENTAL
REPRESENTATIVE: PETER KAHN

COUNTY: KING
LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL:
12660 - 1ST Ave South
WATER LEVEL ELEVATION: 83
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10/28/94
DEVELOPED: Yes

4505

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 75' BACKFILL 72 ft. TYPE: Bent chips PVC SCREEN 2 "x 20' SLOT SIZE: .010 GRAVEL PACK 22 ft. MATERIAL: .010 WELL DEPTH 95' "	0 - 80 ft. brown silty gravel F,M 80 - 95 ft. gray fine Sands - ft.

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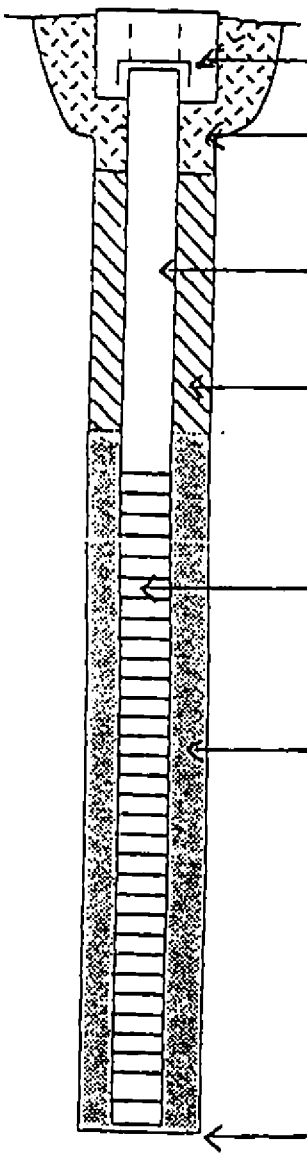
RESOURCE PROTECTION WELL REPORT 23/4E/18A

START CARD NO. R053716

PROJECT NAME: UNOCAL - BURIEN
WELL IDENTIFICATION NO. ABY 068
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: GEOENGINEERS, INC.
REPRESENTATIVE: DAVE COOK

COUNTY: KING
LOCATION: NE ¼ NE ¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL:
1280 FIRST AVE SO - BURIEN, WA
WATER LEVEL ELEVATION: 42'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-27-28-95
DEVELOPED: YES

5762

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 5 ' BACKFILL 3 ft. TYPE: Bent chips PVC SCREEN 2 "x 50' SLOT SIZE: .010 GRAVEL PACK 51 ft. MATERIAL: 10/20 colo WELL DEPTH 55 ' "	0 - 55 ft. gray Sandy gravel with some Sandy layers "Till" - ft. - ft.

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RESOURCE PROTECTION WELL REPORT

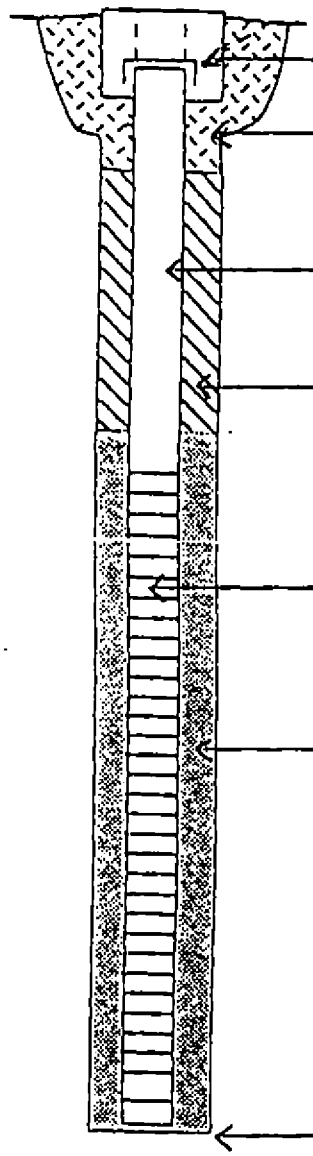
23/4E/18A

START CARD NO. R053716

PROJECT NAME: UNOCAL - BURIEN
WELL IDENTIFICATION NO. ABY 069
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: GEOENGINEERS, INC
REPRESENTATIVE: DAVE COOK

COUNTY: KING
LOCATION: NE ¼ NE ¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL:
1280 FIRST AVE SO - BURIEN, WA
WATER LEVEL ELEVATION: 42'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-27-28-95
DEVELOPED: yes

5762

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 5' BACKFILL 3 ft. TYPE: Bent chips PVC SCREEN 2 "x 50' SLOT SIZE: .010 GRAVEL PACK 51 ft. MATERIAL: 10/20 colo WELL DEPTH 55' "	0 - 55 ft. gray Sandy gravel with some Sandy layers "Till" - ft. - ft.

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RESOURCE PROTECTION WELL REPORT

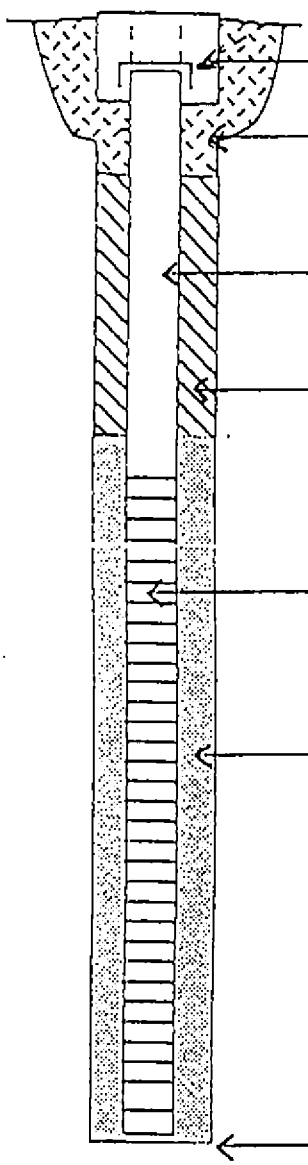
23/4E/18A

START CARD NO. R05376

PROJECT NAME: UNOCAL - BURIEN
WELL IDENTIFICATION NO. ABY 007
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: GEOENGINEERS, INC.
REPRESENTATIVE: DAVE COOK

COUNTY: KING
LOCATION: NE ¼ NE ¼ Sec 18 Twn 23N R 4E
STREET ADDRESS OF WELL:
1280 FIRST AVE SO - BURIEN, WA.
WATER LEVEL ELEVATION: 42'
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-27-28-95
DEVELOPED: YES

5762

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 5' BACKFILL 3 ft. TYPE: Bent chips PVC SCREEN 2 "x 50' SLOT SIZE: .010 GRAVEL PACK 51 ft. MATERIAL: 10/20 colo WELL DEPTH 55' "	0 - 55 ft. gray Sandy gravel with some Sandy layers "Till" - ft. - ft.

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RESOURCE PROTECTION WELL REPORT

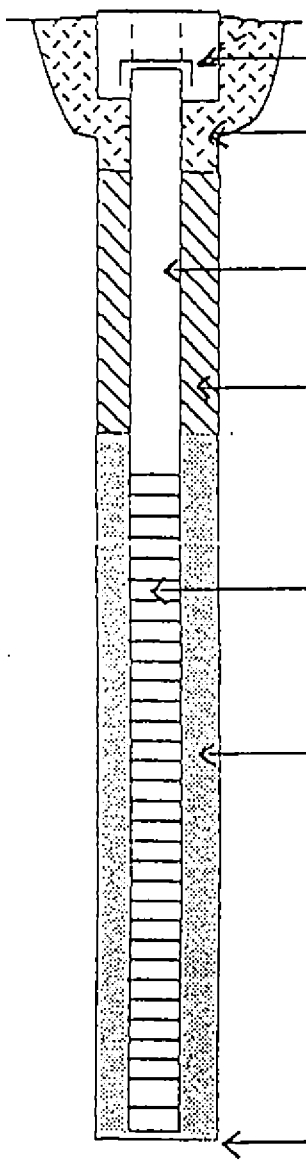
START CARD NO. R05363

PROJECT NAME: CIRCLE K #1476
WELL IDENTIFICATION NO. ABV 493
DRILLING METHOD: HSA
DRILLER: SCOTT KRUEGER
FIRM: Cascade Drilling, Inc.
SIGNATURE:
CONSULTING FIRM: SECOR
REPRESENTATIVE: ERIK CHAPMAN

COUNTY: KING
LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL:
12660 1ST AVE SO. - BURIEN
WATER LEVEL ELEVATION: 77
GROUND SURFACE ELEVATION: N/A
INSTALLED: 4-18-95
DEVELOPED: YES

5146

AS-BUILT



WELL DATA

WELL COVER
CONCRETE SURFACE SEAL
DEPTH = 1/ft
PVC BLANK 2 "x 65'
BACKFILL 61 ft.
TYPE: Bent chips
PVC SCREEN 2 "x 20'
SLOT SIZE: .010
GRAVEL PACK 33 ft.
MATERIAL: 10/20 colo.
WELL DEPTH 95 ' "

FORMATION DESCRIPTION

0 - 86 ft.
gray silty gravel + cobbles T.11

86 - 95 ft.
gray fine to med Sand

- ft.

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RESOURCE PROTECTION WELL REPORT

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START CARD NO. R06441

PROJECT NAME: CREEK 1476 AW Sprague

WELL IDENTIFICATION NO. ACQ 002 AT 6

DRILLING METHOD: HSA

DRILLER: RODNEY LA BROSSE

FIRM: Cascade Drilling, Inc.

SIGNATURE: Rodney LaBrosse

CONSULTING FIRM: JECO2

REPRESENTATIVE: CURT GODDARD

COUNTY: KING

LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E

STREET ADDRESS OF WELL: 12660 - 1st Ave S - Burien

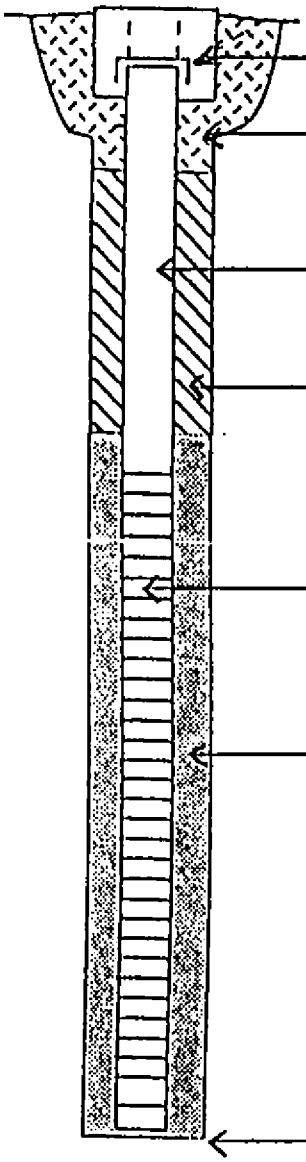
WATER LEVEL ELEVATION: 76

GROUND SURFACE ELEVATION: N/A

INSTALLED: 10-3-96

DEVELOPED: no

6464

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 84' BACKFILL ft. TYPE: Volclay 4' chip to 70' PVC SCREEN 2 "x 5' SLOT SIZE: 020 GRAVEL PACK 83 ft. MATERIAL: 2/12 WELL DEPTH 89. "	0 - 4 ft. Brown silty sand 4 - 75 ft. grey Till silty sand; cobbles 75 - 90 ft. fine sand ; cobbles

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SCALE: 1" = _____ PAGE _____ OF _____

ECY 050-12 (Rev. 11/09)

RESOURCE PROTECTION WELL REPORT

ENTERED

START CARD NO. RO6441

PROJECT NAME: Burlington # 1476 Air Sparge

WELL IDENTIFICATION NO. ACQ 003 - A25

DRILLING METHOD: HSA

DRILLER: RODNEY LA BROSSE

FIRM: Cascade Drilling, Inc.

SIGNATURE: Rodney LaBrosse

CONSULTING FIRM: JECOR

REPRESENTATIVE: CURT GODDARD

COUNTY: KING

LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E

STREET ADDRESS OF WELL: 12660 - 1st Ave S - Burien

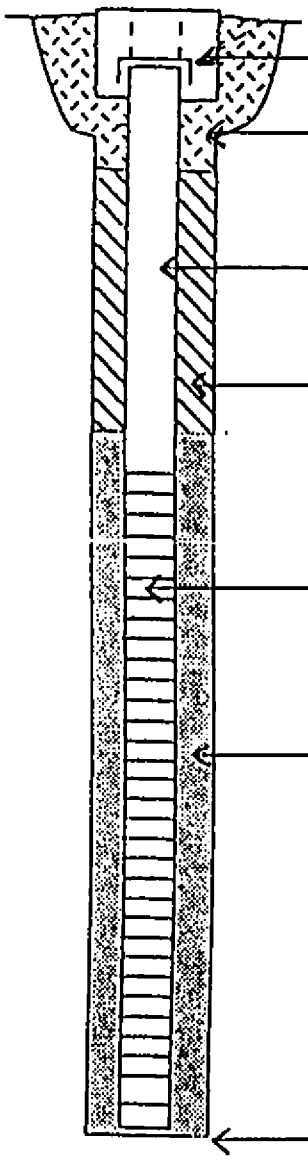
WATER LEVEL ELEVATION: 75

GROUND SURFACE ELEVATION: N/A

INSTALLED: 10-2-96

DEVELOPED: NO

6464

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 85' BACKFILL ft. TYPE: Volclay 4' Ch.pcs to 70 PVC SCREEN 2 "x 5' SLOT SIZE: 020 GRAVEL PACK 84 ft. MATERIAL: 2/12 WELL DEPTH 90' "	0 - 4 ft. Brown silty sand 4 - 75 ft. grey Tilt silty sand & cobbles 75 - 90 ft. fine to med sand & cobbles

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ENTERED

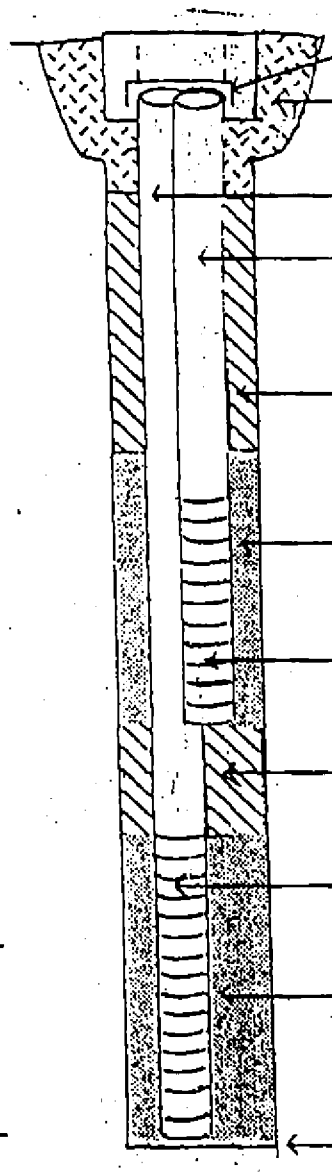
RESOURCE PROTECTION WELL REPORT

START CARD NO. R06441

PROJECT NAME: CIRCLE K #1476 Original
WELL IDENTIFICATION NO. ACQ 604/AI
DRILLING METHOD: HSA
DRILLER: Rodney LaBrosse
FIRM: Cascade Drilling, Inc.
SIGNATURE: Rodney LaBrosse
CONSULTING FIRM: Secor
REPRESENTATIVE: Curt Goddard

COUNTY: King
LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL:
12660 1st Ave S Burien
WATER LEVEL ELEVATION: 75
GROUND SURFACE ELEVATION: N/A
INSTALLED: 10-2-96
DEVELOPED: NO

6464

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft. PVC BLANK 2 "X 84' PVC BLANK 2 "X 40' BACKFILL 5 ft. TYPE: Bent chip GRAVEL PACK 38 ft. MATERIAL: 2/12 PVC SCREEN 2 "X 5' SLOT SIZE: 020 BACKFILL 47 ft. 0 TYPE: Bent chip PVC SCREEN 2 "X 5' SLOT SIZE: 020 GRAVEL PACK 83 ft. MATERIAL: 2/12 WELL DEPTH 89 ' "	0 - 35 ft. grey smelly till 35 - 50 ft. fine-med sands 50 - 75 ft. grey smelly till 75 - 90 fine sands

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RESOURCE PROTECTION WELL REPORT

ENTERED

START CARD NO. R06441

PROJECT NAME: Circle K #1476 MW for gauge

WELL IDENTIFICATION NO. ACQ 605 / AI2

DRILLING METHOD: HSA

DRILLER: RODNEY LA BROSSE

FIRM: Cascade Drilling, Inc.

SIGNATURE: Rodney LaBrosse

CONSULTING FIRM: JECOR

REPRESENTATIVE: CURT GODDARD

COUNTY: KING

LOCATION: SW¼ SW¼ Sec 8 Twn 23N R 4E

STREET ADDRESS OF WELL: 12660 - 1st Ave S. Burien

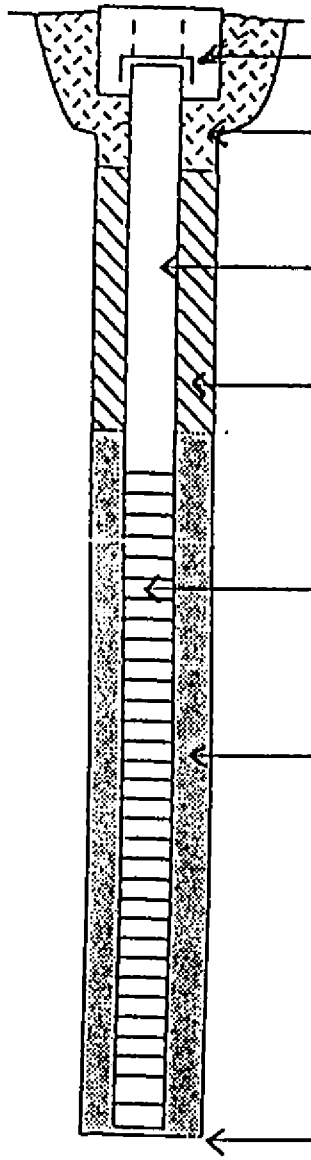
WATER LEVEL ELEVATION: 75'

GROUND SURFACE ELEVATION: N/A

INSTALLED: 10-3-96

DEVELOPED: no

6464

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	WELL COVER CONCRETE SURFACE SEAL DEPTH = 1/ft PVC BLANK 2 "x 83.5 BACKFILL chip TO ft. 5 TYPE: Volclay 1d chip TO 65 PVC SCREEN 2 "x 5' SLOT SIZE: 020 GRAVEL PACK 88ft. 0 MATERIAL: 2/12 WELL DEPTH 88.5"	0 - 4 ft. brown silty sand 4 - 77 ft. grey till silty sand & cobbly 77 - 90 ft. fine sand & cobbles

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NOV. 05 1996
DEPT. OF ECOLOGY

SCALE: 1" = _____ PAGE _____ OF _____

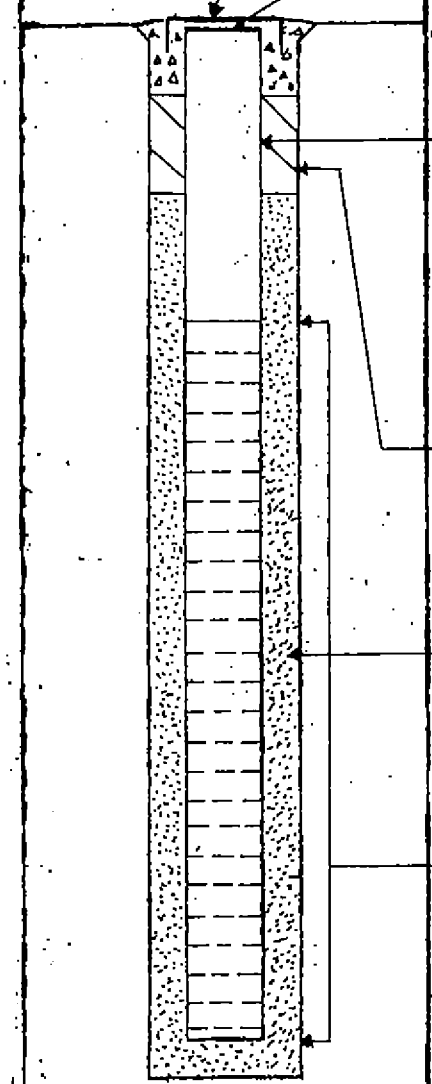
ECY 050-12 (Rev. 11/09)

RESOURCE PROTECTION WELL REPORT 23-4-18

START CARD NO. [redacted]

PROJECT NAME: Unocal Gas Station
WELL IDENTIFICATION NO.: MW-6
DRILLING METHOD: Percussion Hammer - Reverse Air
DRILLER: Richard Jimenez
FIRM: Layne Environmental Services, Inc.
SIGNATURE: [signature]
CONSULTING FIRM: RZA AGRA
REPRESENTATIVE: Brian Evans

COUNTY: King
LOCATION: NE 1/4 NE 1/4 Sec 18 Twn 23 R 04E
STREET ADDRESS OF WELL: 1st Ave S & SW 128th St Burien WA
WATER LEVEL ELEVATION: No water as of 1-18-9
GROUND SURFACE ELEVATION:
INSTALLED: 1-11-92
DEVELOPED:

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	Flush Mounted Monument Expansion plug with lock Concrete Surface Seal 0 to 3 ft Well casg 0 to 15 ft 2" SCH 40 TFJ PVC Annular Sealant 3 to 10 ft Seal 10 to 12 ft Filter Pack 12 to 45 ft Screened Interval 15 to 45 ft 2" SCH 40 TFJ PVC 010 Factory Slotted	0-25 Very dense, damp, brown, silty, fine-medium SAND w/ gravel 25-45 Very dense, moist, brown, silty, fine-medium SAND, trace gravel

Total Depth 45 ft
Hole Diameter 9 in

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Layne Environmental Services, Inc.

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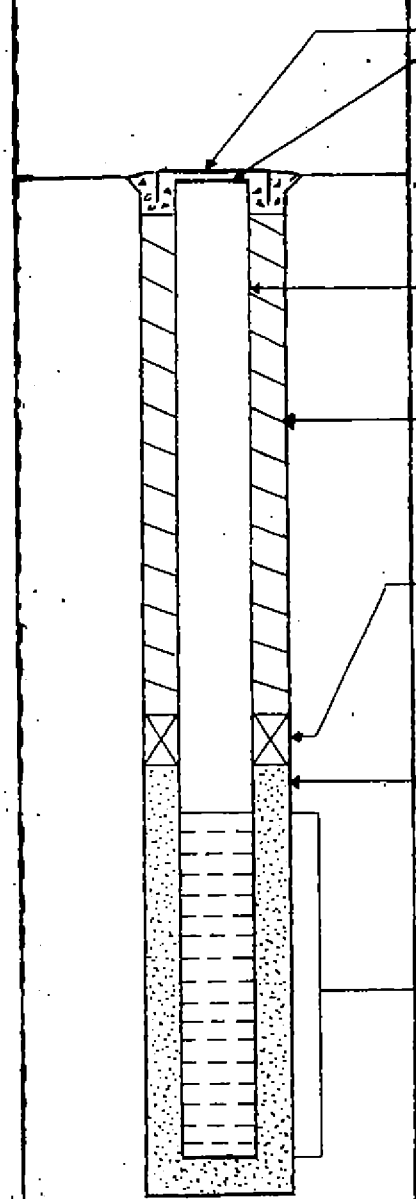
RESOURCE PROTECTION WELL REPORT

START CARD NO.: [redacted]

PROJECT NAME: Unocal Gas Station
WELL IDENTIFICATION NO.: MW-8
DRILLING METHOD: Percussion Hammer - Reverse Air
DRILLER: Richard Simenez
FIRM: Layne Environmental Services, Inc.
SIGNATURE:
CONSULTING FIRM: RZA-AGRA
REPRESENTATIVE: Brian Evans

COUNTY: King
LOCATION: NE 1/4 NE 1/4 Sec 18 Twn 23 R 04E
STREET ADDRESS OF WELL: 1st Ave S. + SW 128th st Burien, Wash.
WATER LEVEL ELEVATION: 59'
GROUND SURFACE ELEVATION:
INSTALLED: 1-18-92
DEVELOPED:

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	Flush Mounted Monument Expansion plug with lock Concrete Surface Seal 0 to 2' ft Well casg 0 to 10 ft 2" SCH 40 TFJ PVC Annular Sealant 2 to 5 ft Seal 5 to 7 ft Filter Pack 7 to 65 ft Screened Interval 10 to 65 ft 2" SCH 40 TFJ PVC .010 Factory Slotted	0-19 Very dense, damp, light-brown-grey, fine-medium SAND, some silt, Trace gravel 19-25 Very dense, moist, brown fine SAND. w/ silt + gravel 25-65 Very dense, moist, grey, gravelly, fine SAND, w/ some silt

Total Depth 65 ft
Hole Diameter 9 in

Layne Environmental Services, Inc.

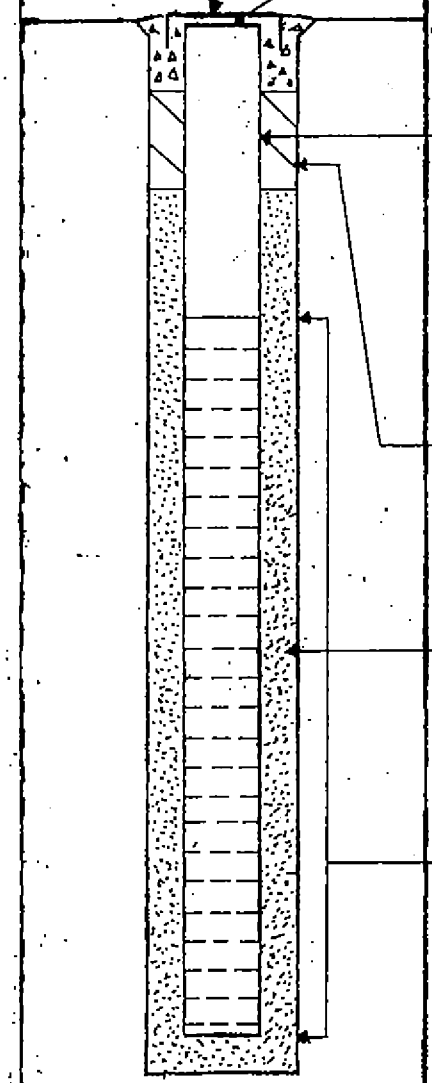
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

START CARD NO. 04486

PROJECT NAME: Unocal Gas Station
WELL IDENTIFICATION NO.: MW-9
DRILLING METHOD: Percussion Hammer - Reverse Air
DRILLER: Richard Jimenez
FIRM: Layne Environmental Services, Inc.
SIGNATURE: [signature]
CONSULTING FIRM: RZA-AGRA
REPRESENTATIVE: Brian Evans

COUNTY: King
LOCATION: NE 1/4 NE 1/4 Sec 18 Twn 23 R 04E
STREET ADDRESS OF WELL: 1st Ave S + S 128th St
Burien Wash
WATER LEVEL ELEVATION: 68' 1-23-92
GROUND SURFACE ELEVATION:
INSTALLED: 1-18-92
DEVELOPED:



AS-BUILT

WELL DATA

- Flush Mounted Monument
- Expansion plug with lock
- Concrete Surface Seal 0 to 2 ft
- Well casg 0 to 15 ft 2" SCH 40 TFJ PVC
- Annular Sealant 2 to 105 ft
- Seal 105 to 125 ft
- Filter Pack 125 to 70 ft
- Screened Interval 15 to 70 ft 2" SCH 40 TFJ PVC .010 Factory Slotted

Total Depth 70 ft

Hole Diameter 9 in

FORMATION DESCRIPTION

0-9 Dense, damp, light brown, fine-medium SAND, w/some silt + some gravel

9-50 Very dense, damp to moist, light brown-grey, silty fine-medium SAND, w/some gravel

50-70 Very dense, wet-saturated, brownish grey, gravelly, fine-medium SAND, w/some silt

Layne Environmental Services, Inc.

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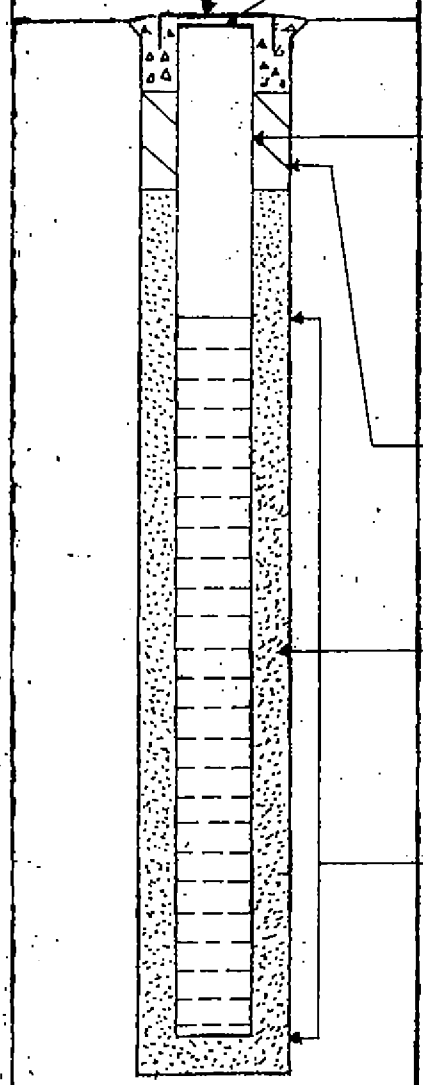
RESOURCE PROTECTION WELL REPORT 23/4-18

START CARD NO. [redacted]845

PROJECT NAME: Unocal Gas Station
WELL IDENTIFICATION NO.: MW-7
DRILLING METHOD: Percussion Hammer-Reverse Air
DRILLER: Richard Sinenez
FIRM: Layne Environmental Services, Inc.
SIGNATURE:
CONSULTING FIRM: RZA-AGRA
REPRESENTATIVE: Brian Evans

COUNTY: King
LOCATION: NE 1/4 NE 1/4 Sec 18 Twn 23 R 04E
STREET ADDRESS OF WELL: 1st. Ave S + SW. 128th St
Burien Wash
WATER LEVEL ELEVATION: 34'
GROUND SURFACE ELEVATION:
INSTALLED: 1-11-92
DEVELOPED:

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	Flush Mounted Monument Expansion plug with lock Concrete Surface Seal 0 to 3 ft Well casg 0 to 10 ft 2" SCH 40 TFJ PVC Annular Sealant 3 to 6 ft Seal 6 to 8 ft Filter Pack 8 to 46 ft Screened Interval 10 to 45 ft 2" SCH 40 TFJ PVC .010 Factory Slotted	0-11 Very dense, damp, brown silty, fine-medium SAND, some gravel 11-45 Very dense, damp grey-brown fine-medium SAND, w/ some silt

Total Depth 45 ft
Hole Diameter 9 in

Layne Environmental Services, Inc.

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95542

RESOURCE PROTECTION WELL REPORT

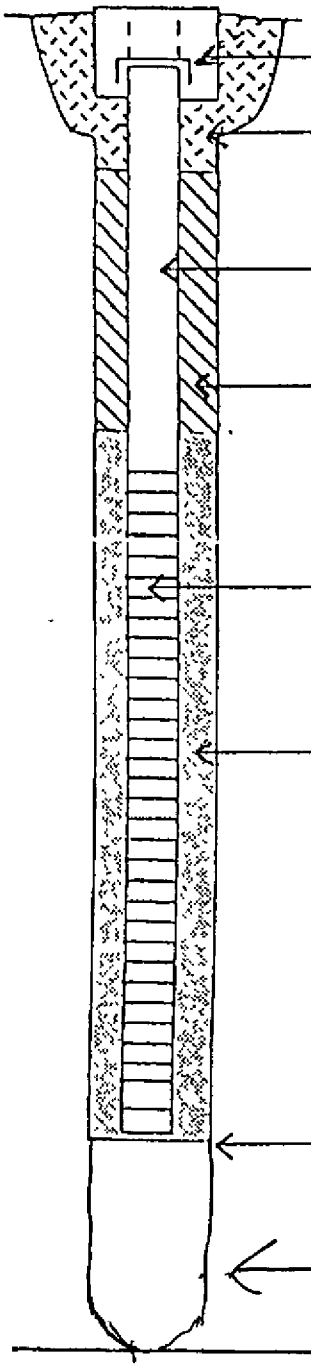
START CARD NO. R49567

PROJECT NAME: Circle K
WELL IDENTIFICATION NO AFR330
DRILLING METHOD HSA
DRILLER Brian G. Gose
FIRM Cascade Drilling, Inc.
SIGNATURE
CONSULTING FIRM Secor
REPRESENTATIVE Chris Robinson

COUNTY: King 23-4E-8N
LOCATION SW 1/4 SW 1/4 Sec 8 Twn 23N R 4E
STREET ADDRESS OF WELL
12660 First Ave S, Burien
WATER LEVEL ELEVATION: 80
GROUND SURFACE ELEVATION. N/A
INSTALLED. 10/4/00
DEVELOPED Yes

0591

AS-BUILT | WELL DATA | FORMATION DESCRIPTION



WELL COVER

CONCRETE SURFACE SEAL
DEPTH = 1/ft

PVC BLANK 4 "x 39'

BACKFILL 30 ft.
TYPE: bent. Chips

PVC SCREEN 4 "x 50'
SLOT SIZE: .070

GRAVEL PACK 64 ft.
MATERIAL: 10/20 colo.

Screen
~~WELL~~ DEPTH 89' "

10' sump
Total well depth 99'

0 - ft.
gray silts, sands & few gravels

- ft.

- ft.

OCT 24 2000

Dept of Ecology

SCALE 1" = PAGE OF

ECY 050 12 (Rev 11/89) 95542

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123559

RESOURCE PROTECTION WELL REPORT

23-4E-17 D

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No R050T16

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DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Construction/Decommission *('x' in circle)*
- (X) Construction
- ( ) Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well *('x in circle)*
- (X) Resource Protection
- ( ) Geotech Soil Boring

Property Owner Priority Chevron

Consulting Firm PBS Environmental

Site Address 13222 1st Ave S

Unique Ecology Well ID Tag No SB-2

City Seattle County King

Location NW 1/4 NW 1/4 Sec 17 Twn 23 R 4 (WWM) or WWM *circle one*

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No _____

WELL CONSTRUCTION CERTIFICATION I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

(X) Driller ( ) Engineer ( ) Trainee Name (Print) Eric Nassar

Driller/Engineer/Trainee Signature Eric Nassar

Driller or Trainee License No 2482

Cased or Uncased Diameter 1" Static Level 12'

Work/~~Decommission~~ Start Date 5/1/02

Work/~~Decommission~~ Completed Date 5/1/02

If trainee, licensed driller's Signature and License no _____

Construction/Design	Well Data	Formation Description
Riser Screen 12.5'-15'	temporary, steel Screen installed for H2O sample All downhole equipment removed, hole backfilled w/ Bentonite	surface to 8' gravel, Sand, (f-m) - Fill material 8' to 11' Sandy Fill, trace gravel - Dark slag layer 8-11 11' - 15' gravel, Sandy Fill

Scale 1 = _____

Page 1 of 1

ECY 050 12 (Rev 2/01)

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RESOURCE PROTECTION WELL REPORT

Notice of Intent No R 65417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-18A

147724

Construction/Decommission *("x" in circle)*
- (X) Construction
- ( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
- (X) Resource Protection
- ( ) Geotech Soil Boring

Property Owner Conoco Phillips

Unique Ecology Well ID Tag No AHN 535

Consulting Firm Secor

Driller or Trainee Name James Bokle

Driller or Trainee Signature _____

Driller or Trainee License No 2410

If trainee, licensed driller's Signature and License no _____

Site Address 12805 1st AVE S

City Seattle County King

Location NE 1/4 - 1/4 NE 1/4 Sec 18 Twn 23N R 4E (E)WM or WWM *circle one*

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

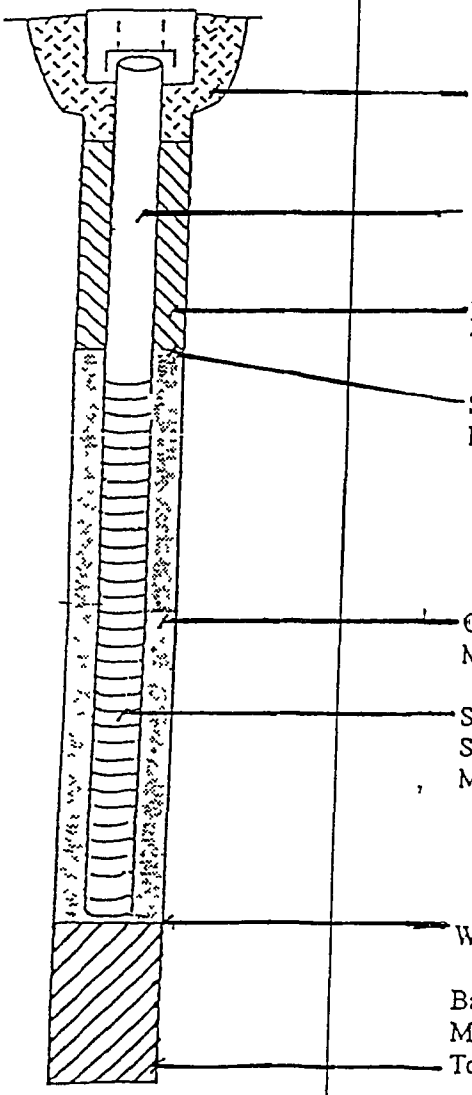
Tax Parcel No. _____

Cased or Uncased Diameter 9" Static Level _____

Work/Decommission Start Date 2/11/04

Work/Decommission Completed Date 2/11/04

Construction/Design — Well Data 4071-3 — Formation Description



Well Cover

Concrete Surface Seal Depth = 3'

Blank Casing 2 " 20'
Material PVC

Backfill 15' ft
Type Bent Chips

Seal N/A
Material N/A

Gravel Pack 42' ft
Material #2 SAND

Screen 2 "x 40'
Slot Size 010
Material PVC.

Well Depth 60.9"

Backfill N/A
Material N/A

Total Hole Depth 60'

0 - 6' ft
Fill, Sand, GRAVEL

6 - 60' ft
Brown GRAVELLY Till

_____ - _____ ft

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Scale 1"= _____

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RESOURCE PROTECTION WELL REPORT

Notice of Intent No R 65417

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-18A

147725

Construction/Decommission *("x" in circle)*
- (X) Construction
- ( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
- (X) Resource Protection
- ( ) Geotech Soil Boring

Property Owner Conoco Phillips

Unique Ecology Well ID Tag No AHN 530

Consulting Firm Sesor

Driller or Trainee Name Scott Krueger

Driller or Trainee Signature Scott K

Driller or Trainee License No 2093

If trainee, licensed driller's Signature and License no ✓

Site Address 12005 1st AVE S

City Seattle County King

Location NE 1/4 1/4 NE 1/4 Sec 18 Twn 23N R 4E (E)W or WWM *circle one*

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

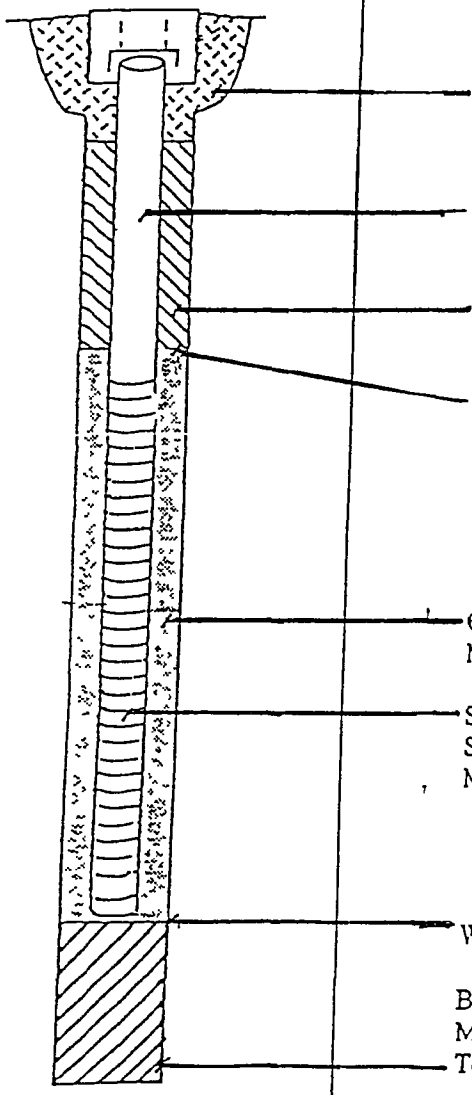
Tax Parcel No ✓

Cased or Uncased Diameter 8 5" Static Level N/A

Work/Decommission Start Date 2/10/04

Work/Decommission Completed Date 2/10/04

Construction/Design — Well Data 4071-21 — Formation Description



Well Cover

Concrete Surface Seal Depth = 1

Blank Casing 2 " 10 '
Material PVC

Backfill 7 ft
Type Bent Chips

Seal _____
Material _____

Gravel Pack 22 ft
Material 2/12

Screen 2 "x 20 '
Slot Size .010
Material PVC

Well Depth 30 ' ___ "

Backfill _____
Material _____
Total Hole Depth 30

0 - 30 ft
brown Sands, gravel

_____ - _____ ft

_____ - _____ ft

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Scale 1"= _____ Page _____ of _____ ECY 050-12 (Rev 2/01)

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RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R66354

23-4E-7R

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in circle)* 150152

- (x) Construction
- ( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*

- (x) Resource Protection
- ( ) Geotech Soil Boring

Property Owner Unocal 76 Station

Site Address 12660 - 1st Ave. S.

Unique Ecology Well ID Tag No. ALB 143

City Seattle County: King

Consulting Firm Secor Env. Eng.

Location SE 1/4 - 1/4 SE 1/4 Sec 7 Twn 23N R 4E (EWM or WWM) *circle one*

Driller or Trainee Name James M. Goble

Lat/Long (s, t, r still REQUIRED) Lat Deg — Lat Min/Sec —

Long Deg — Long Min/Sec —

Driller or Trainee Signature _____

Driller or Trainee License No 2440

Tax Parcel No. —

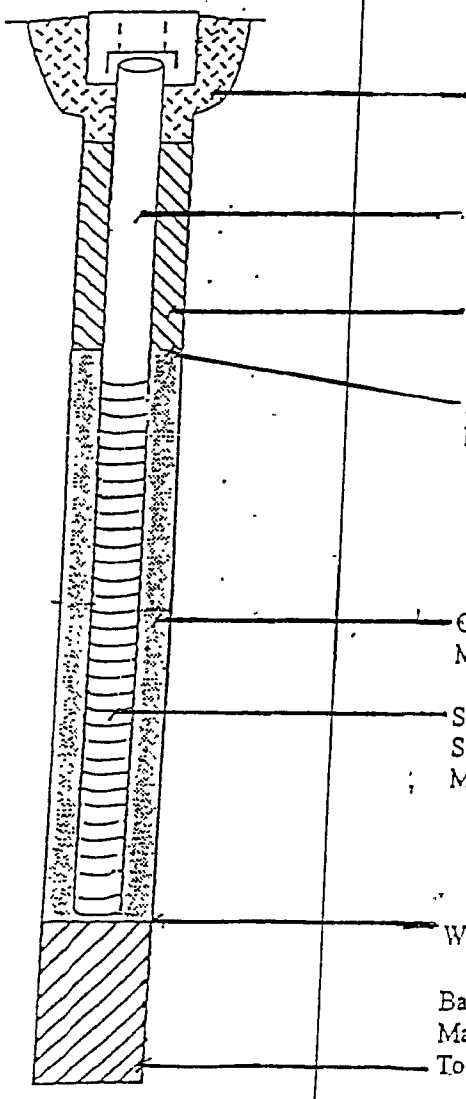
Cased or Uncased Diameter 12" Static Level _____

If trainee, licensed driller's Signature and License no. _____

Work/Decommission Start Date 5/13/04

Work/Decommission Completed Date 5/13/04

Construction/Design — Well Data 4306-21 — Formation Description



Well Cover

Concrete Surface Seal Depth = 3'

Blank Casing 4 " 15'

Material PVC

Backfill N/A ft

Type: N/A

Seal 10'

Material Bent Chips

Gravel Pack 47' ft

Material: 2/12 SAND

Screen 4 "x 45'

Slot Size 010

Material PVC

Well Depth 60' 12"

Backfill N/A

Material N/A

Total Hole Depth 60'

0 - 6 ft: Fill Brown Sand/Gravel

6 - 50 ft: Brown Till w/ brown w/ small sand lenses

50' - 60 ft: Fine to med. brown sandy silt to silty sand.

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JUN 08 2004

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RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R 67296

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-7R

Construction/Decommission *("x" in circle)* 189744

(X) Construction
( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
(X) Resource Protection
( ) Geotech Soil Boring

Property Owner Strip Mall

Site Address 12805 1st AVE S.

Unique Ecology Well ID Tag No. APB 656.

City Burien County: King

Consulting Firm Secor

Location SE 1/4 - 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Driller or Trainee Name Brian Bose

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Driller or Trainee Signature _____

Tax Parcel No. ~

Driller or Trainee License No. 2330

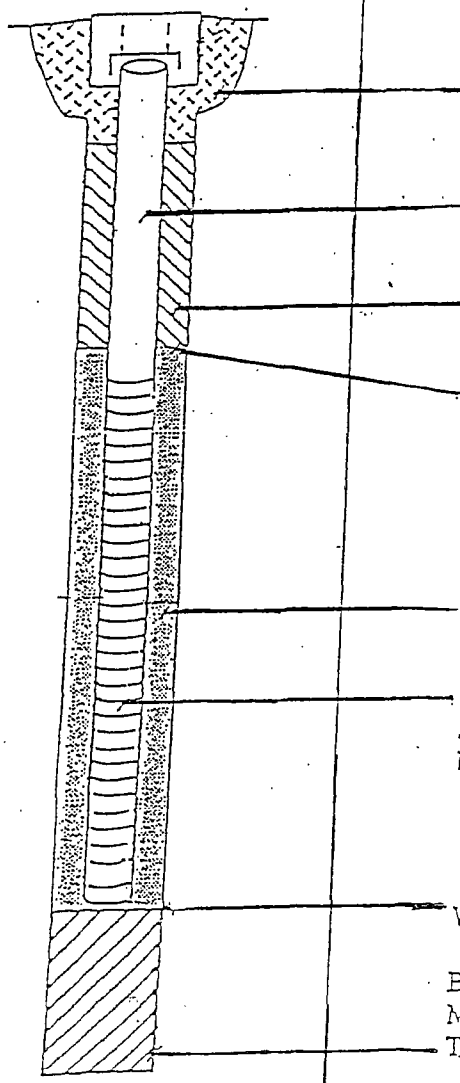
Cased or Uncased Diameter 8" Static Level 21.51

If trainee, licensed driller's Signature and License no. _____

Work/Decommission Start Date 12/28/05

Work/Decommission Completed Date 12-30-05

Construction/Design — Well Data WOS-737 — Formation Description



Well Cover

Concrete Surface Seal Depth = 2

Blank Casing 2 " 20

Material PVC

Backfill 16 ft

Type: Bent

Seal _____

Material _____

Gravel Pack 42 ft

Material: Sand

Screen 2 "x 40'

Slot Size 010

Material PVC

Well Depth 60 ' 0 "

Backfill _____

Material _____

Total Hole Depth _____

0 - 20 ft
Silty Sand & Gravels

20 - 60 ft
Gravel & Till

60 - 9 ft
Sand & Gravel

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Scale 1"= _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.
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Department of Ecology

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Notice of Intent No. R 67296

23-4E 7R

Construction/Decommission *("x" in circle)* 189744

(X) Construction
( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
(X) Resource Protection
( ) Geotech Soil Boring

Property Owner Strip Mall

Unique Ecology Well ID Tag No. APB 656

Consulting Firm Secor

Driller or Trainee Name Brian Goose

Driller or Trainee Signature

Driller or Trainee License No. 2330

If trainee, licensed driller's Signature and License no. _____

Site Address 12805 1st AVE S.

City Burien County: King

Location SE 1/4 - 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

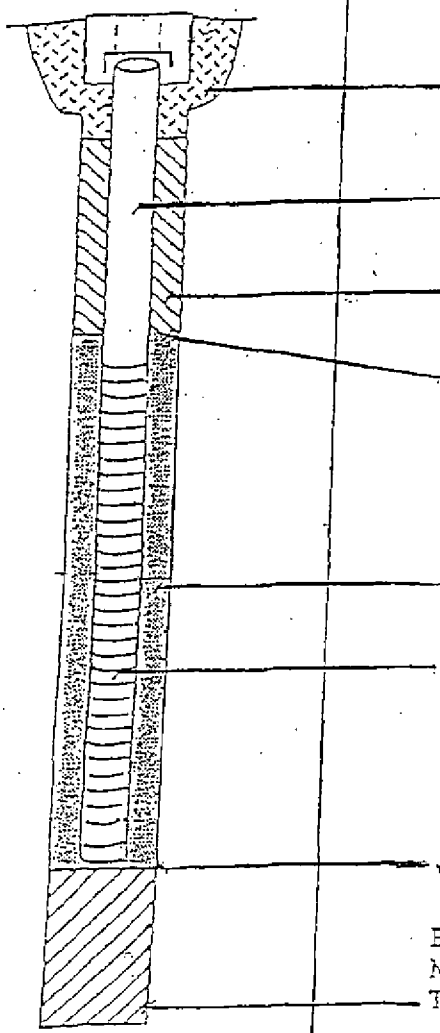
Tax Parcel No. ~

Cased or Uncased Diameter 8" Static Level 21.51

Work/Decommission Start Date 12/28/05

Work/Decommission Completed Date 12-30-05

Construction/Design — Well Data W05-737 — Formation Description



Well Cover

Concrete Surface Seal
Depth = 2

Blank Casing 2 " 20
Material Pvc

Backfill 16 ft
Type: Bent

Seal _____
Material _____

Gravel Pack 42 ft
Material: Sand

Screen 2 "x 40'
Slot Size 010
Material Pvc

Well Depth 60 ' 0"

Backfill _____
Material _____
Total Hole Depth _____

0 - 20 ft
Silty Sand & Gravel

20 - 60 ft
Gravel Fill

60 - 0 ft
Sand & Gravel

RECEIVED
JAN 30 2006
DEPT OF ECOLOGY

Scale 1"= _____

ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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COP 256382 (1572)

MW-14

Well Tagging Form

Unique Well ID Tag Number: AQR [redacted]

Use this form ONLY if an WELL REPORT IS FOUND
(Attach the original well report to this form)

If a water well report is not available, please complete a "Water Well Report for an Existing Well" form. This form is available at Ecology's headquarters office by calling 360-407-6650 or e-mail mbru461@ecy.wa.gov.

Well Ownership, If Different From Well Report

First name	Last name
Kim	Jason
Street Address	
PO Box 26861	
City	**State** / **Zip Code**
Federal Way	WA / 98093

Location of Well, If Different From Well Report

*Section, Township and Range are REQUIRED *

Well Address					
City			County		
¼ - ¼	¼	Section	Township N.	Range	☐ EWM ☐ WWM (check one)
Latitude	Degrees	Minutes	Seconds	[redacted]	
Longitude	Degrees	Minutes	Seconds		

Elevation at land surface _____ ☐ feet ☐ meters *(check one)*

Well Characteristics

Location of Well Identification Tag
The well tag is located at the bottom of the well monument.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Scale 1:24,000 (1" = 2,000')

Indicate the location of the well within the Section by drawing a dot at that point

Section R

Comments

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R 67296

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-7R

Construction/Decommission *("x" in circle)* 189745 X

(X) Construction

( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*

(X) Resource Protection

( ) Geotech Soil Boring

Property Owner Strip Mall

Site Address 12805 1st AVE S.

Unique Ecology Well ID Tag No. APB 657

City Burien County: King

Consulting Firm Secor

Location SE 1/4- 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Driller or Trainee Name Brian Bosse

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Driller or Trainee Signature _____

Tax Parcel No. ~

Driller or Trainee License No 2330

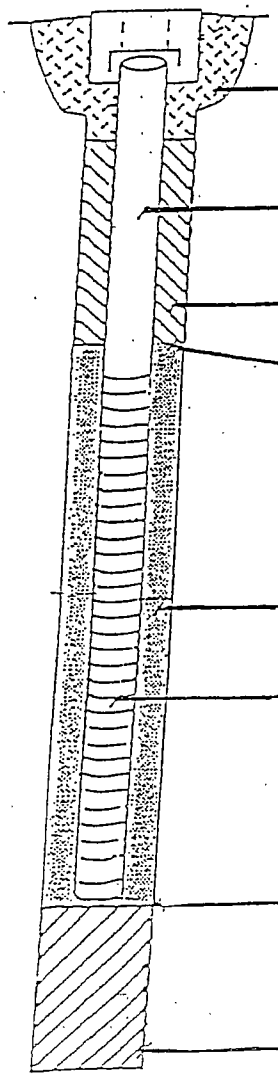
Cased or Uncased Diameter 8" Static Level 21.51

If trainee, licensed driller's Signature and License no. _____

Work/Decommission Start Date 12/28/05

Work/Decommission Completed Date 12-30-05

Construction/Design — Well Data W05-737 — Formation Description



Well Cover

Concrete Surface Seal
Depth = 2

Blank Casing 2 " 20
Material PVC

Backfill 16 ft
Type: Bent

Seal _____
Material _____

Gravel Pack 42 ft
Material: Sand

Screen 2 "x 40'
Slot Size 010
Material PVC

Well Depth 60 ' 0 "

Backfill _____
Material _____
Total Hole Depth _____

0 - 20 ft
Silty Sand & Gravels

20 - 60 ft
Gravel & Till

60 - 9 ft
Sand & Gravel

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JAN 30 2006
DEPT OF ECOLOGY

Scale 1"=

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R 67296

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-7R

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Water Resources Program
Department of Ecology

Construction/Decommission *("x" in circle)* 189745 X
- (X) Construction
- ( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
- (X) Resource Protection
- ( ) Geotech Soil Boring

Property Owner Strip Mall

Site Address 1205 1st AVE S.

Unique Ecology Well ID Tag No. APB 657

City Burien County: King

Consulting Firm Secor

Location SE 1/4 - 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Driller or Trainee Name Brian Bosse

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____

Driller or Trainee Signature _____

Long Deg _____ Long Min/Sec _____

Driller or Trainee License No 2330

Tax Parcel No. _____

Cased or Uncased Diameter 8" Static Level 21-51

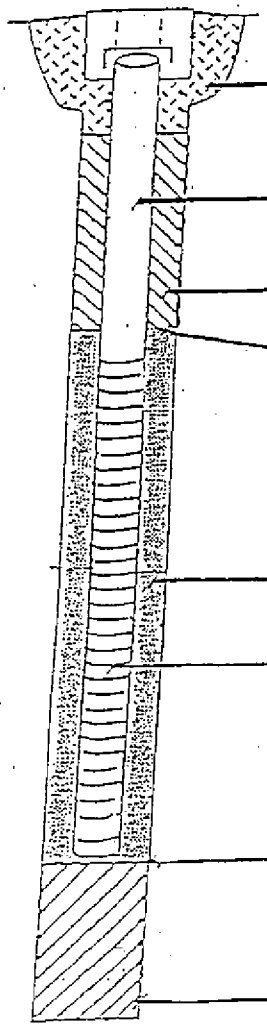
If trainee, licensed driller's Signature and License no. _____

Work/Decommission Start Date 12/28/05

Work/Decommission Completed Date 12-30-05

Well Data WOS-737

Construction/Design



Well Cover

Concrete Surface Seal
Depth = 2

Blank Casing 2 " 20
Material PVC

Backfill 16 ft
Type: Bent.

Seal _____
Material _____

Gravel Pack 42 ft
Material: Sand

Screen 2 "x 40'
Slot Size 010
Material PVC

Well Depth 60 ' 0 "

Backfill _____
Material _____
Total Hole Depth _____

Formation Description

0 - 20 ft
Silty Sand & Gravels

20 - 60 ft
Gravel & Till

60 - 9 ft
Sand & Gravel

RECEIVED
JAN 30 2006
DEPT OF ECOLOGY

Scale 1"=

ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED NOV 11 2009 Water Resources Program Department of Ecology

COP 256382 (1572)

MW-15

Well Tagging Form

Unique Well ID Tag Number: _____

Use this form ONLY if an WELL REPORT IS FOUND
(Attach the original well report to this form)

If a water well report is not available, please complete a "Water Well Report for an Existing Well" form. This form is available at Ecology's headquarters office by calling 360-407-6650 or e-mail mbru461@ecy.wa.gov.

Well Ownership, If Different From Well Report

First name	Last name
Kim	Tuson
Street Address: PO Box 26861	
City: Federal Way	State: WA / Zip Code: 98093

Location of Well, If Different From Well Report

*Section, Township and Range are REQUIRED *

Well Address				
City			County	
¼ - ¼	¼	Section	Township N.	Range ☐ EWM ☐ WWM (check one)
Latitude	Degrees	Minutes	Seconds	[redacted]
Longitude	Degrees	Minutes	Seconds	

Elevation at land surface _____ ☐ feet ☐ meters *(check one)*

Well Characteristics

Location of Well Identification Tag: The well tag is located at the bottom of the well monument.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Scale 1:24,000 (1" = 2,000')

Indicate the location of the well within the Section by drawing a dot at that point

Section R

Comments

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R 67296

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

23-4E-7R

Construction/Decommission *("x" in circle)* 1897416

(X) Construction

( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*

(X) Resource Protection

( ) Geotech Soil Boring

Property Owner Strip Mall

Site Address 12805 1st AVE S.

Unique Ecology Well ID Tag No. APB 658

City Burien County: King

Consulting Firm Secor

Location SE 1/4- 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Driller or Trainee Name Brian Bosse

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Driller or Trainee Signature _____

Tax Parcel No. ~

Driller or Trainee License No. 2330

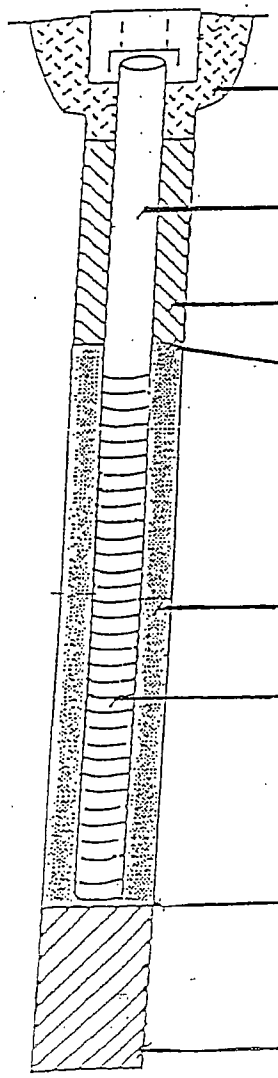
Cased or Uncased Diameter 8" Static Level 21-51

If trainee, licensed driller's Signature and License no. _____

Work/Decommission Start Date 12/28/05

Work/Decommission Completed Date 12-30-05

Construction/Design — Well Data W05-737 — Formation Description



Well Cover

Concrete Surface Seal Depth = 2

Blank Casing 2 " 20

Material PVC

Backfill 16 ft

Type: Bent

Seal _____

Material _____

Gravel Pack 42 ft

Material: Sand

Screen 2 "x 40'

Slot Size 010

Material PVC

Well Depth 60 '0"

Backfill _____

Material _____

Total Hole Depth _____

0 - 20 ft

Silty Sand & Gravel

20 - 60 ft

Gravel & Till

60 - ? ft

Sand & Gravel

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JAN 30 2006

DEPT OF ECOLOGY

Scale 1"=

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

Notice of Intent No. R 067946

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

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Water Resources Program
Department of Ecology

23-4E-7R

Construction/Decommission *("x" in circle)* 1897416

(X) Construction
( ) Decommission *Original Construction Notice of Intent Number* _____

Type of Well *("x" in circle)*
(X) Resource Protection
( ) Geotech Soil Boring

Property Owner Strip Mall

Unique Ecology Well ID Tag No. APB 658

Consulting Firm Secor

Driller or Trainee Name Brian Goss

Driller or Trainee Signature _____

Driller or Trainee License No 2330

If trainee, licensed driller's Signature and License no. _____

Site Address 12005 1st AVE S.

City Burien County: King

Location SE 1/4- 1/4 SE 1/4 Sec 7 Twn 23N R 4E EWM or WWM *circle one*

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No _____

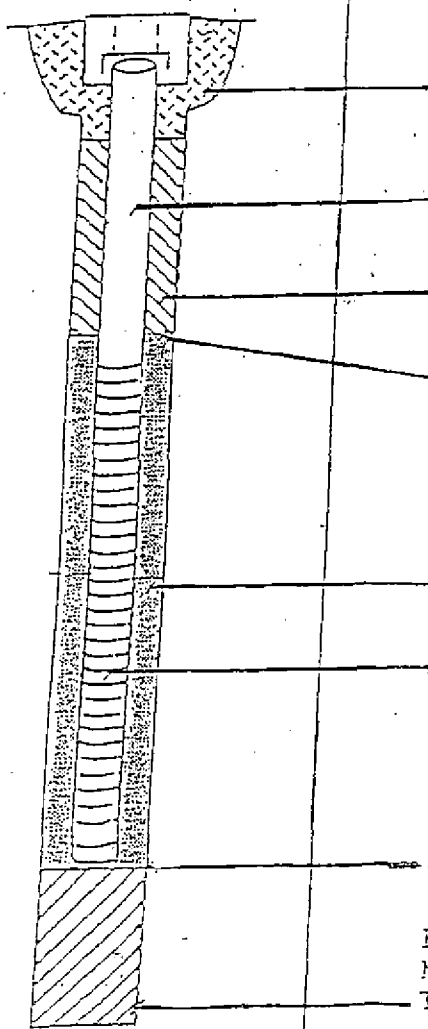
Cased or Uncased Diameter 8" Static Level 21.51

Work/Decommission Start Date 12/29/05

Work/Decommission Completed Date 12-30-05

Well Data WOS-737

Construction/Design



Well Cover

Concrete Surface Seal
Depth = 2

Blank Casing 2 " 20
Material Pvc

Backfill 16 ft
Type: Paint

Seal _____
Material _____

Gravel Pack 42 ft
Material: Sand

Screen 2 "x 40 '
Slot Size 010
Material Pvc

Well Depth 60 ' 0 "

Backfill _____
Material _____
Total Hole Depth _____

Formation Description

0 - 20 ft
Silty Sand & Gravels

20 - 60 ft
Gravelly Till

60 - 9 ft
Sand & Gravel

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JAN 30 2006
DEPT OF ECOLOGY

Scale 1"=

ECY 050-12 (Rev 2/04)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

NOV 11 2009

Water Resources Program
Department of Ecology

COP 256382(1572)
MW-13A

Well Tagging Form

Unique Well ID Tag Number: APB 658

Use this form ONLY if an WELL REPORT IS FOUND
(Attach the original well report to this form)

If a water well report is not available, please complete a "Water Well Report for an Existing Well" form. This form is available at Ecology's headquarters office by calling 360-407-6650 or e-mail mbru461@ecy.wa.gov.

Well Ownership, If Different From Well Report

First name	Last name
Kim	Tuson
Street Address: PO Box 26861	
City: Federal Way	State: WA / Zip Code: 98093

Location of Well, If Different From Well Report

*Section, Township and Range are REQUIRED *

Well Address				
City			County	
¼ - ¼	¼	Section	Township N.	Range ☐ EWM ☐ WWM (check one)
Latitude	Degrees	Minutes	Seconds	[redacted]
Longitude	Degrees	Minutes	Seconds	

Elevation at land surface _____ ☐ feet ☐ meters *(check one)*

Well Characteristics

Location of Well Identification Tag
The well tag is located at the bottom of the well monument.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Scale 1:24,000 (1" = 2,000')

Indicate the location of the well within the Section by drawing a dot at that point

Section R

Comments

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768

Construction/Decommission 462661

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: **ATC Associates**

Property Owner: **Circle K**

Site Address: **12660 1st Ave S**

City: **Seattle** County: **King**

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** Twn **23N** R **4E** [EWM] or WWM

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. _____

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[X] Driller [ ] Trainee Name (Print) **Curtis Askew**

Driller/Trainee Signature x _____

Driller/Trainee License No. **2867**

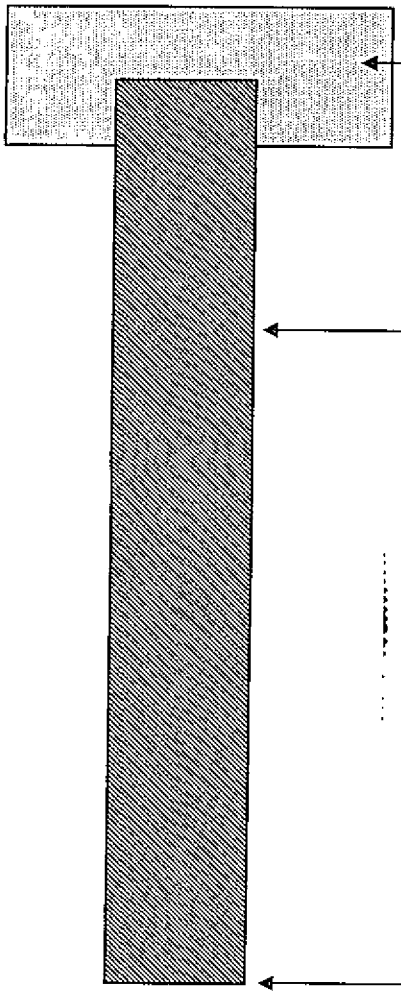
If trainee, licesned drillers' Signature and License No. _____

Cased or Uncased Diameter 8 1/4" Static Level N/A

Work/Decommision Start Date 7-18-12

Work/Decommision Completed Date 7-19-12

Construction/Design | Well Data W12421 | Formation Description



CONCRETE SURFACE SEAL 4 FT

BACKFILL 46 FT

15 sk. chips

DEPTH OF BORING 50 FT

0 - 50 FT very dense sands w/ silts & gravels

0 - FT

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SEP 21 2012

DEPT OF ECOLOGY NWRO - WR

Scale 1" = _____ Page _____ of _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768

Construction/Decommission 462662

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Circle K**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Associates**

City: **Seattle** County: **King**

Unique Ecology Well ID

Tag No. _____

Location 1/4 **SW** 1/4 **SW** Sec **8** Twn **23N** R **4E** [EWM] or _____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) **Curtis Askew**

Driller/Trainee Signature X _____

Driller/Trainee License No. **2867**

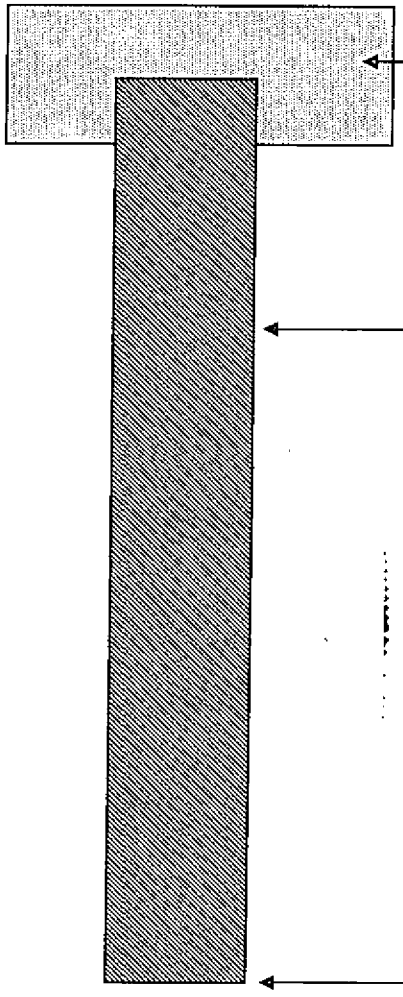
Cased or Uncased Diameter 8 1/4" Static Level N/A

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Start Date 7-18-12

Work/Decommision Completed Date 7-19-12

Construction/Design — Well Data W12421 — Formation Description



CONCRETE SURFACE SEAL 4 FT

BACKFILL 46 FT

15 sack chips

DEPTH OF BORING 50 FT

Formation Description:

0 - 50 FT: Very dense sands w/ silts & gravels

0 - _____ FT

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SEP 21 2012

DEPT OF ECOLOGY
NWRO - WR

Scale 1" = _____

Page _____ of _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45748

Construction/Decommission 462663

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: ATC Associates

Property Owner: Circle K

Site Address: 12660 1st Ave S

City: Seattle County: King

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E or _____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Driller/Trainee Signature x _____

Driller/Trainee License No. 2867

Tax Parcel No. _____

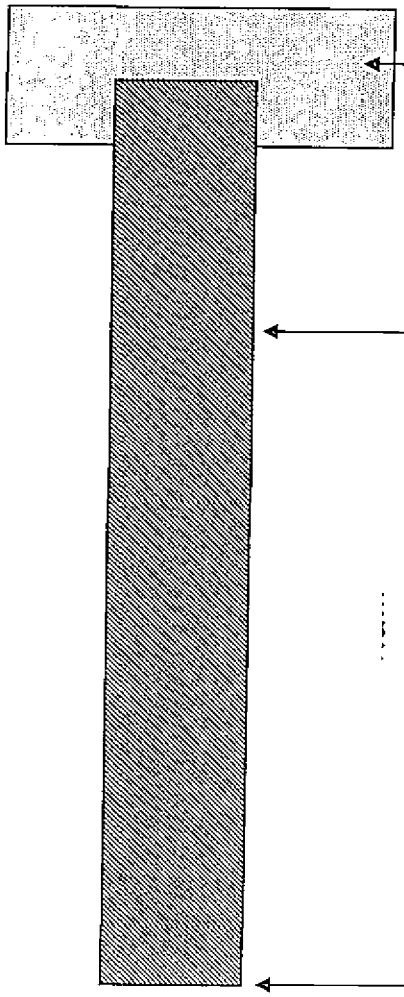
Cased or Uncased Diameter 8 1/4 " Static Level N/A

Work/Decommision Start Date 7-18-12

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 7-19-12

Construction/Design



Well Data W12421

CONCRETE SURFACE SEAL 4 FT

BACKFILL 46 FT

Bent. Chips

DEPTH OF BORING 50 FT

Formation Description

0 - 50 FT

Very loose sands w/ silt & gravels

0 - FT

RECEIVED

SEP 21 2012

DEPT OF ECOLOGY NWRO - WR

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev. 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT
Notice of Intent No. SE45768

Construction/Decommission 462664

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Consulting Firm: ATC Associates

Property Owner: Circle K

Site Address: 12660 1st Ave S

City: Seattle County: King

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 SW 1/4 SW Sec 8 Twn 23N R 4E or ____ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a

Long Deg n/a Long Min/Sec n/a

[X] Driller [ ] Trainee Name (Print) Curtis Askew

Driller/Trainee Signature x

Driller/Trainee License No. 2867

Tax Parcel No. _____

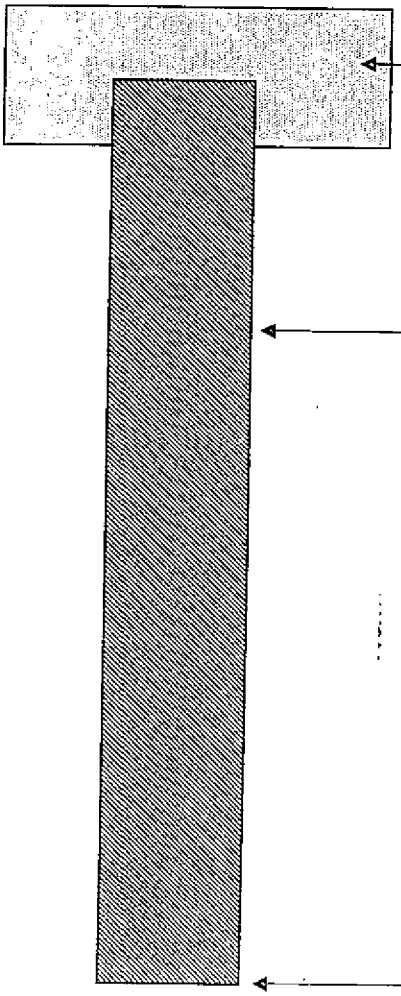
Cased or Uncased Diameter 8 1/4 in. Static Level N/A

Work/Decommision Start Date 7-18-12

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 7-19-12

Construction/Design | Well Data W1242! | Formation Description



CONCRETE SURFACE SEAL 4 FT — 0 - 50 FT — Very loose sand w/ silt & gravels

BACKFILL 46 FT — 0 - ____ FT — Bent. Chips

DEPTH OF BORING 50 FT

RECEIVED
SEP 21 2012
DEPT OF ECOLOGY
NWRO - WR

Scale 1" = _____

Page _____ of _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. SE45768, ___

Construction/Decommission 462665

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* ___

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Circle K**

Site Address: **12660 1st Ave S**

Consulting Firm: **ATC Associates**

City: **Seattle** County: **King**

EWM

Unique Ecology Well ID

Tag No. ___

Location 1/4 **SW** 1/4 **SW** Sec **8** Twn **23N** R **4E** or ___ WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. ___

[X] Driller [ ] Trainee Name (Print) **Curtis Askew**

Driller/Trainee Signature x ___

Driller/Trainee License No. **2867**

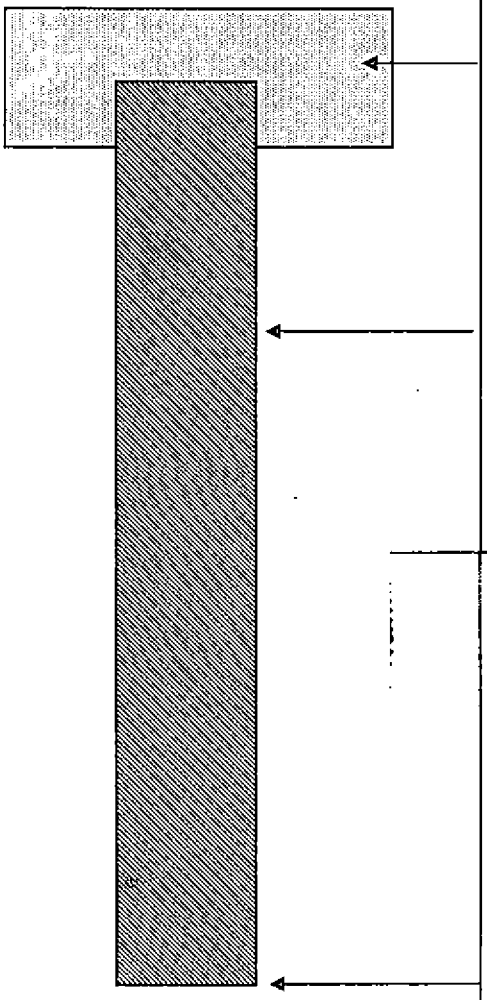
Cased or Uncased Diameter 3 1/4" Static Level n/k

Work/Decommision Start Date 7-19-12

If trainee, licesned drillers' Signature and License No. ___

Work/Decommision Completed Date 7-19-12

Construction/Design | Well Data W12421 | Formation Description



CONCRETE SURFACE SEAL 5 FT

BACKFILL 50 FT

Bent. Chips

DEPTH OF BORING 55 FT

Formation: 0 - 55 FT — Very dense sands w/ silts & gravels

Formation: 0 - ___ FT

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Scale 1" = ___

Page ___ of ___

ECY 050-12 (Rev. 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

496847

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE08269

Construction/Decommission VP-4

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: **Chevron**

Site Address: **12805 1st Ave S**

Consulting Firm: **Arcadis**

City: **Burien** County: **King**

EWM

Unique Ecology Well ID Tag No. BIC-476

Location 1/4 **NE** 1/4 **NE** Sec **18** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) **Todd Mecham**

Driller/Trainee Signature _____

Driller/Trainee License No. **2555**

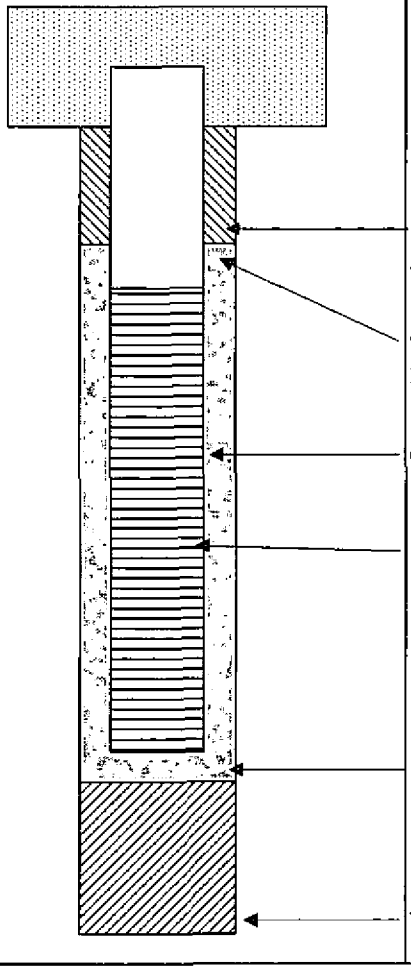
Cased or Uncased Diameter 8" Static Level N/A

Work/Decommision Start Date 5/23/13

If trainee, licensed driller's Signature and License No. _____

Work/Decommision End Date 5/23/13

Construction/Design | Well Data W3-177B | Formation Description



Concrete Surface Seal Depth	2 FT
Blank Casing (dia x dep)	1/4" x 6"
Material	Tubing
Backfill	FT
Type	
Seal	2 1/2
Material	Granular Bentonite
Gravel Pack	1 FT
Material	2/12 Sand
Screen (dia x dep)	1/2" x 6"
Slot Size	
Material	SS Vapor probe
Well Depth	5 FT
Backfill	1
Material	Granular Bentonite
Total Hole Depth	6 1/2 FT

0 - 6 1/2 FT — brown sand w/cobbles

0 - FT

0 - FT

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Scale 1" = _____ Page _____ of _____

ECY 050-12 (Rev 2/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

490848

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE08269

Construction/Decommission VP-1

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner **Chevron**

Site Address **12805 1st Ave S**

Consulting Firm **Arcadis**

City **Burien** County **King**

EWM

Unique Ecology Well ID Tag No. BIC 473

Location 1/4 **NE** 1/4 **NE** Sec **18** TWN **23N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) **Todd Mecham**

Driller/Trainee Signature _____

Driller/Trainee License No. **2555**

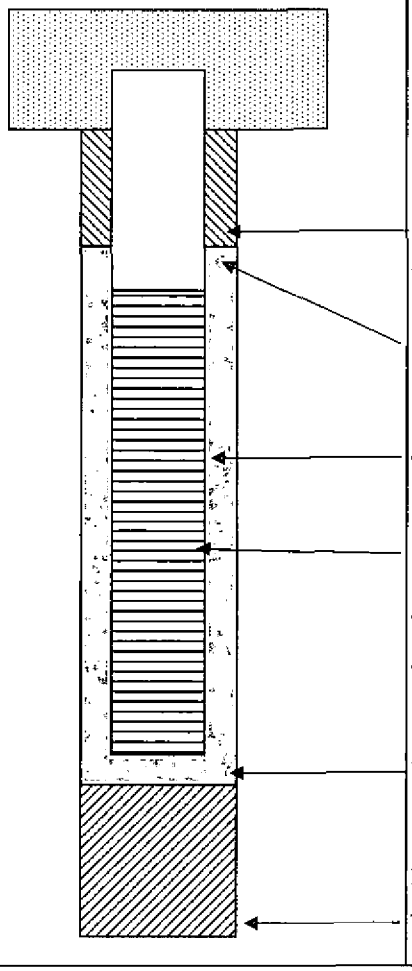
Cased or Uncased Diameter 12" Static Level N/A

Work/Decommision Start Date 5/23/13

If trainee, licensed driller's Signature and License No. _____

Work/Decommision End Date 5/23/13

Construction/Design — Well Data — W3-177B — Formation Description



Concrete Surface Seal Depth	2' FT
Blank Casing (dia x dep)	1/4" x 6'
Material	tubing
Backfill	FT
Type	
Seal	2'6"
Material	Granular Bentonite
Gravel Pack	1' FT
Material	2/12 Sand
Screen (dia x dep)	1/2" x 6"
Slot Size	
Material	SS Vapor point
Well Depth	5' FT
Backfill	1'
Material	Granular Bentonite
Total Hole Depth	6'6" FT

Formation Description

0 - 6'6" FT: Till brown Sandy Silt w/Cobbles

0 - FT

0 - FT

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NWRO - WR

Scale 1" = _____ Page _____ of _____

ECY 050-12 (Rev 2/01)

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490849

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT

Notice of Intent No. RE08269

Construction/Decommission VP-2

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner: Chevron

Site Address: 12805 1st Ave S

Consulting Firm: Arcadis

City: Burien County: King

EWM

Unique Ecology Well ID Tag No. BIC 474

Location 1/4 NE 1/4 NE Sec 18 TWN 23N R 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) Todd Mecham

Driller/Trainee Signature _____

Driller/Trainee License No. 2555

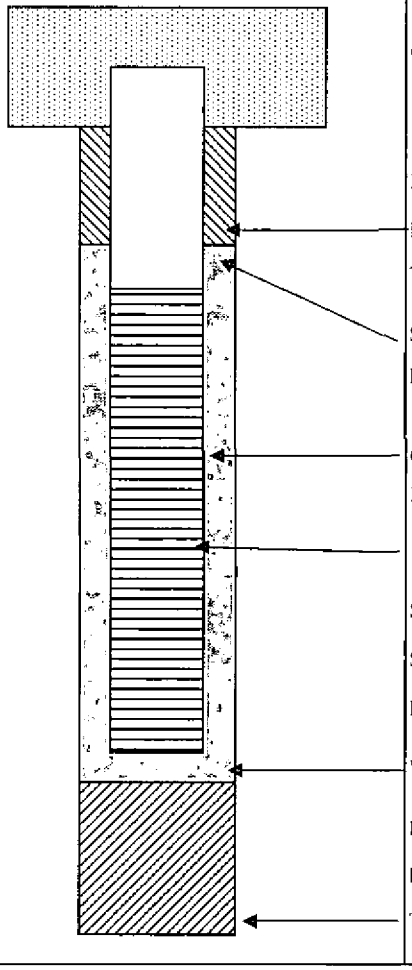
Cased or Uncased Diameter 12" Static Level N/A

Work/Decommision Start Date 5/23/13

If trainee, licensed driller's Signature and License No. _____

Work/Decommision End Date 5/23/13

Construction/Design



Well Data W3-177B

Concrete Surface Seal Depth	2	FT
Blank Casing (dia x dep)	1/4" x 5'	
Material	Tubing	
Backfill		FT
Type		
Seal	2' 6"	
Material	Granular Bentonite	
Gravel Pack	1	FT
Material	2/12 Sand	
Screen (dia x dep)	1/2" x 6"	
Slot Size		
Material	55 Vapor point	
Well Depth	5	FT
Backfill	1'	
Material	Granular Bentonite	
Total Hole Depth	6' 6"	FT

Formation Description

0 - 6' 6" FT: Brown till sand + silt w/ cobbles

0 - FT

0 - FT

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JUL 29 2013

DEPT OF ECOLOGY NWRO - WR

Scale 1" = _____

Page _____ of _____

ECY 050-12 (Rev 2/01)

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490850

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

VP-3

CURRENT

Notice of Intent No. RE08269

Construction/Decommission

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

[X] Resource Protection

[ ] Geotechnical Soil Boring

Property Owner **Chevron**

Site Address **12805 1st Ave S**

Consulting Firm **Arcadis**

City **Burien** County **King**

Unique Ecology Well ID Tag No. BIC 475

Location 1/4 **NE** 1/4 **NE** Sec **18** TWN **23N** R **4E** [EWM] or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Lat/Long (s,t,r still Required) Lat Deg x Lat Min/Sec x Long Deg x Long Min/Sec x

Tax Parcel No. _____

[X] Driller [ ] Trainee Name (Print) **Todd Mecham**

Driller/Trainee Signature _____

Driller/Trainee License No. **2555**

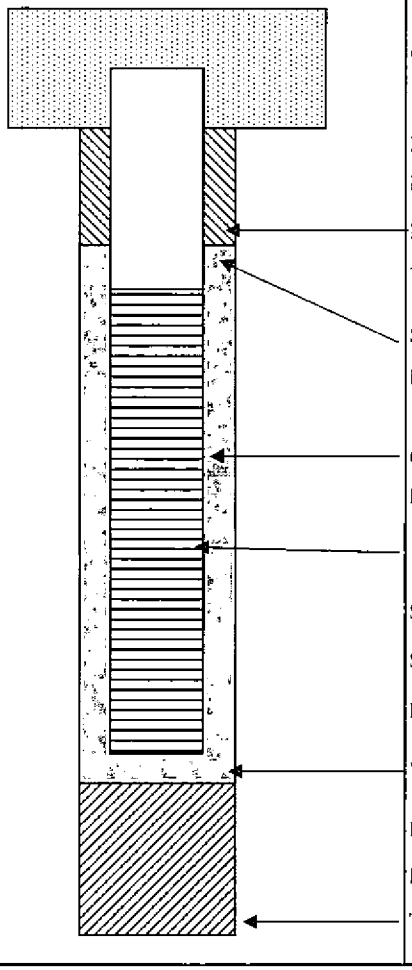
Cased or Uncased Diameter 12" Static Level N/A

Work/Decommision Start Date 5/23/13

If trainee, licensed driller's Signature and License No. _____

Work/Decommision End Date 5/23/13

Construction/Design — Well Data W3-177B — Formation Description



Concrete Surface Seal Depth	2 FT
Blank Casing (dia x dep)	1/4" x 6"
Material	Tubing
Backfill	FT
Type	
Seal	2 1/2"
Material	Granular Bentonite
Gravel Pack	1 FT
Material	2/12 Sand
Screen (dia x dep)	1/2" x 6"
Slot Size	
Material	SS Vapor point
Well Depth	5' FT
Backfill	2
Material	Granular Bentonite
Total Hole Depth	7'6" FT

0 - FT

0 - FT

0 - FT

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DEPT OF ECOLOGY NWRO - WR

Scale 1" = _____ Page _____ of _____

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*
- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE16589

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL 072

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) C Fahrner

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3178

If trainee, licensed driller's Signature and License No.

Type of Well *(select one)*
- [x] Resource Protection
- [ ] Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave S.

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23 R 4 Select One [x] EWM [ ] WWM

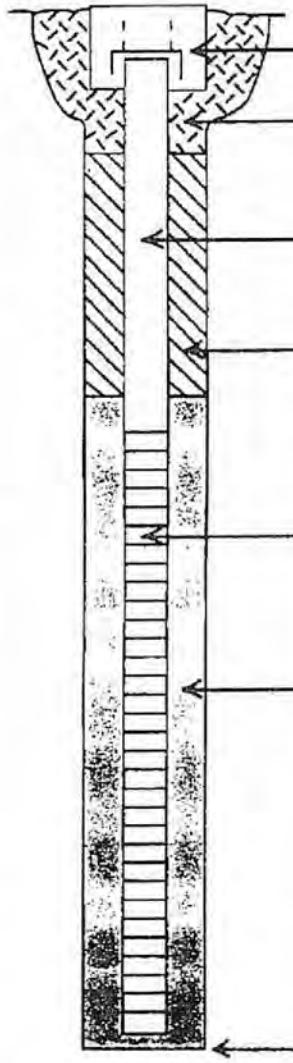
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No.

Cased or Uncased Diameter 10" Static Level ____

Work/Decommission Start Date 10/15/18

Work/Decommission Completed Date 10/15/18

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: Flush CONCRETE SURFACE SEAL 2 ft. PVC BLANK 3/8 "x ' BACKFILL 2 ft 4" ft. TYPE: #5 crumbles PVC SCREEN "x ' SLOT SIZE: Fine Mesh TYPE: 6" Stainless Vapor GRAVEL PACK 8" ft. MATERIAL: 10/20 WELL DEPTH 5.6 "	0 - ft. - ft. No Samples Vac cleared Vapor wells - ft. - ft. - ft.

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JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

REMARKS

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Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE16589

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL 074

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) C Fehrn

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3178

If trainee, licensed driller's Signature and License No.

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave S.

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23R 4 Select One ☒ EWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

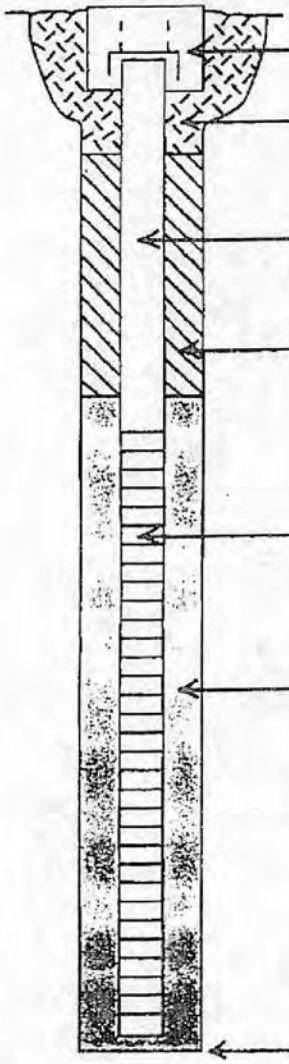
Tax Parcel No.

Cased or Uncased Diameter 6" Static Level

Work/Decommission Start Date 10/15/18

Work/Decommission Completed Date 10/15/18

Construction/Design



Well Data

MONUMENT TYPE: Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 3/8 "x '

BACKFILL 2ft 4" ft.

TYPE: #5 crumbles

PVC SCREEN "x '

SLOT SIZE: Fine Mesh

TYPE: 6" Stainless Vapor

GRAVEL PACK 8" ft.

MATERIAL: 10/20

WELL DEPTH 5.6 "

Formation Description

0 - ft.

- ft.

No Samples Vac cleared Vapor wells

- ft.

- ft.

- ft.

REMARKS

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JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-056

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23R 4 Select One ☒ EWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

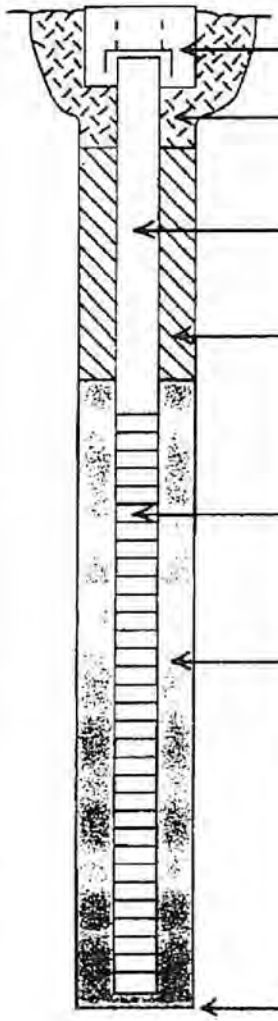
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 69

Work/Decommission Start Date 11-10-18

Work/Decommission Completed Date 11-10-18

Construction/Design



Well Data

MONUMENT TYPE: Sinflush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 50Ft

BACKFILL 47 ft.

TYPE: Bentonite Chips

PVC SCREEN 2 "x 20'

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 70 ft.

Formation Description

0 - 3 ft. FILL

3 - 15 ft. Sand

15 - 70 ft. TILL w/some sand ~~gravel~~ seams.

- ft.

- ft.

REMARKS

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JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

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RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BLL-084

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23R 4 Select One ☒ BWM ☐ WWM

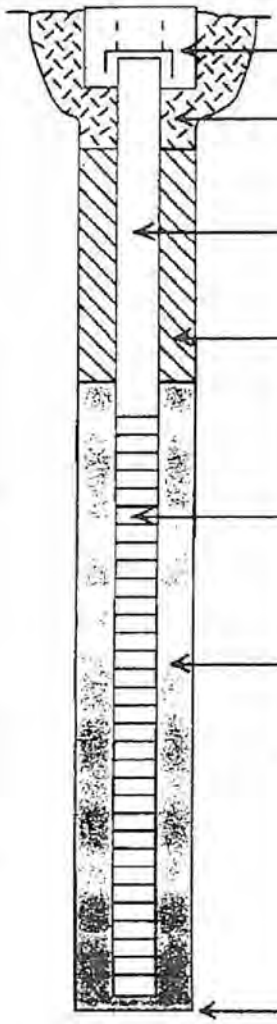
Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level Cal

Work/Decommission Start Date 11-8-18

Work/Decommission Completed Date 11-8-18

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: Sinflush CONCRETE SURFACE SEAL 2 ft. PVC BLANK 2 "x 50Ft BACKFILL 47 ft. TYPE: Bentonite Chips PVC SCREEN 2 "x 20 Ft SLOT SIZE: 0.010 TYPE: PVC GRAVEL PACK 21 ft. MATERIAL: 12x20 Sand WELL DEPTH 70. "	0 - 3 ft. FILL 3 - 15 ft. Sand 15 - 70 ft. TILL w/ some Sand seams. _ - _ ft. _ - _ ft.

REMARKS

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JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

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Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE165889

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*
- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-083

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) David Dickerson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*
- [x] Resource Protection
- [ ] Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE/4 Sec 18 Twn 23R 4 Select One [x] BWSR [ ] WWSR

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

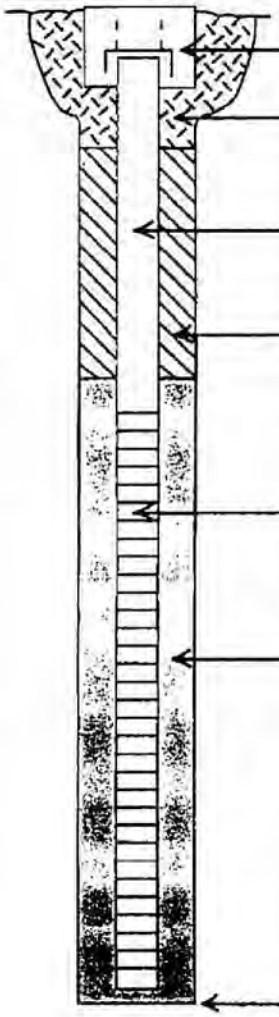
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 52

Work/Decommission Start Date 11-6-18

Work/Decommission Completed Date 11-6-18

Construction/Design



Well Data

MONUMENT TYPE: Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40 Ft

BACKFILL 37 ft.

TYPE: Bentonite chips

PVC SCREEN 2 "x 20 '

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 60 '

Formation Description

0 - 8 ft. FILL

8 - 60 ft. TILL w/some sand seams.

_ - _ ft.

_ - _ ft.

_ - _ ft.

REMARKS

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NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE 165589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-081

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One ☒ BWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

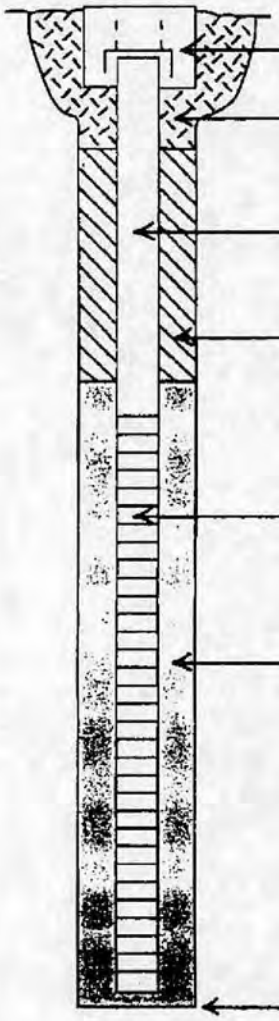
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 50.5

Work/Decommission Start Date 11-1-18

Work/Decommission Completed Date 11-1-18

Construction/Design



Well Data

MONUMENT TYPE: Bin Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40ft

BACKFILL 37 ft.

TYPE: Bentonite Chips

PVC SCREEN 2 "x 20ft

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 60. "

Formation Description

0 - 4 ft. FILL

4 - 60 ft. TILL w/ some sand seams.

- ft.

- ft.

- ft.

REMARKS

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DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE165891

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-082

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature [signature]

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE/4 Sec 18 Twn 23 R 4 Select One ☒ SWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

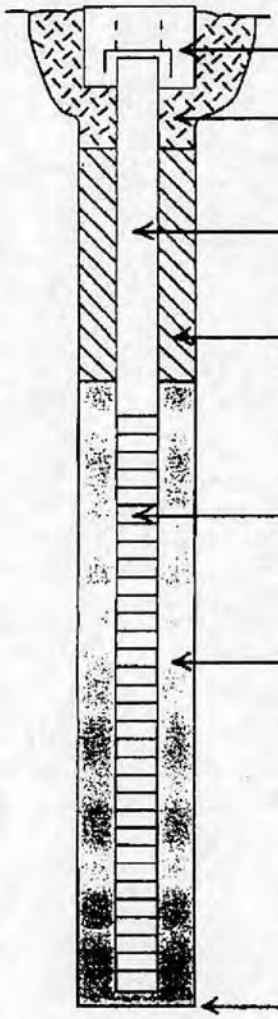
Tax Parcel No. _____

Cased or Uncased Diameter 8 Static Level 49.5

Work/Decommission Start Date 11-2-18

Work/Decommission Completed Date 11-2-18

Construction/Design



Well Data

MONUMENT TYPE: 12in Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 4 "x 40Ft

BACKFILL 37 ft.

TYPE: Bentonite Chips

PVC SCREEN 4 "x 20'

SLOT SIZE 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 Sand

WELL DEPTH 60' "

Formation Description

0 - 5 ft. FILL

5 - 15 ft. Sand + gravel

15 - 60 ft. Till w/ Sand Seams.

- ft.

- ft.

REMARKS

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*
- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID
Tag No. BLL-080

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*
- [x] Resource Protection
- [ ] Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 17805 1st Ave South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23R 4 Select One [x] BWM [ ] WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

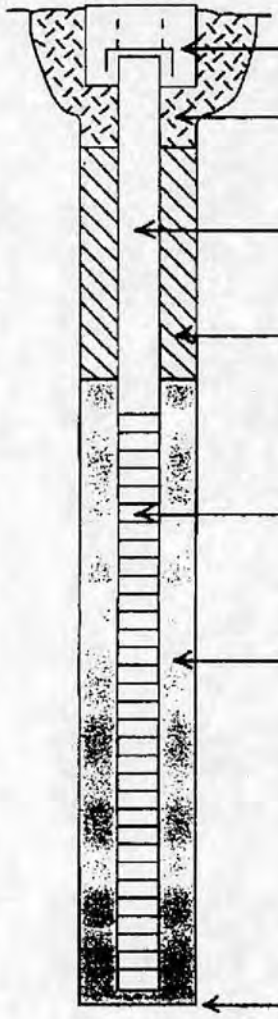
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 52

Work/Decommission Start Date 10-31-18

Work/Decommission Completed Date 10-31-18

Construction/Design



Well Data

MONUMENT TYPE: 8in flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40'

BACKFILL 37 ft.

TYPE: Bentonite Chips

PVC SCREEN 2"x20'

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 60' "

Formation Description

0 - 3 ft. FILL

3 - 60 ft. Till w/ some sand seams.

_ - _ ft.

_ - _ ft.

_ - _ ft.

REMARKS

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JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

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Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE165589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

[x] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BLL-065

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

[x] Resource Protection

[ ] Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 17805 1st Ave South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23R 4 Select One [x] BWN [ ] WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

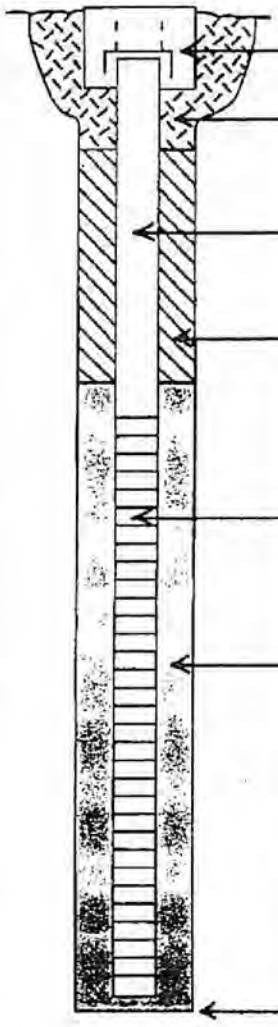
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level Ce l

Work/Decommission Start Date 11-9-18

Work/Decommission Completed Date 11-9-18

Construction/Design



MONUMENT TYPE: 8in flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 50ft

BACKFILL 47 ft.

TYPE: Bentonite Chips

PVC SCREEN 2 "x 20 '

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 Sand

WELL DEPTH 70 '

Well Data

Formation Description

0 - 3 ft.
FILL

3 - 15 ft.
Sand

15 - 70 ft.
TILL w/some sand seams.

- ft.

- ft.

REMARKS

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JAN 2 7 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-076

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner EUI Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One ☒ BWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

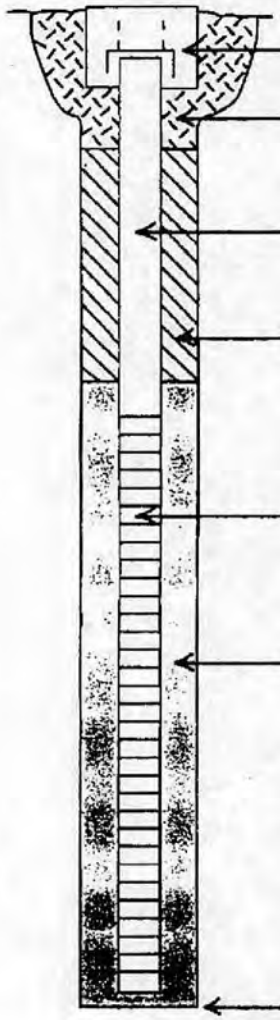
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level _____

Work/Decommission Start Date 10-25-18

Work/Decommission Completed Date 10-25-18

Construction/Design



MONUMENT TYPE: 8in Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40 '

BACKFILL 37 ft.

TYPE: Bentonite Chips

PVC SCREEN 2 "x 20 '

SLOT SIZE: .010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20

WELL DEPTH 60 ' "

Well Data

Formation Description

0 - 6 ft. FILL

6 - 60 ft. Till w/ some sand seams.

- ft.

- ft.

- ft.

REMARKS

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DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE 16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-077

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE1/4-1/4 NE1/4 Sec 18 Twn 23R 4 Select One ☒ BWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

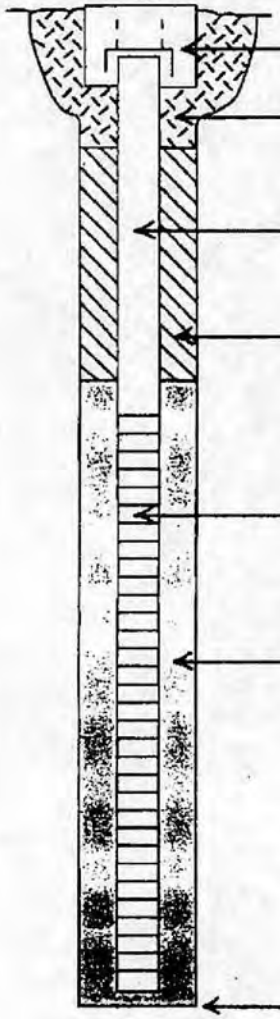
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level _____

Work/Decommission Start Date 10-26-18

Work/Decommission Completed Date 10-26-18

Construction/Design



Well Data

MONUMENT TYPE: 8 in flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 50'

BACKFILL 47 ft.

TYPE: Bentonite chips

PVC SCREEN 2 "x 20'

SLOT SIZE: .010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20

WELL DEPTH 70' "

Formation Description

0 - 6 ft. Fill

6 - 70 ft. Till w/ some sand seams

- ft.

- ft.

- ft.

REMARKS

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DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

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Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-075

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 5017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

[X] Resource Protection

[ ] Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 27805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One [X] SWM [ ] WWM

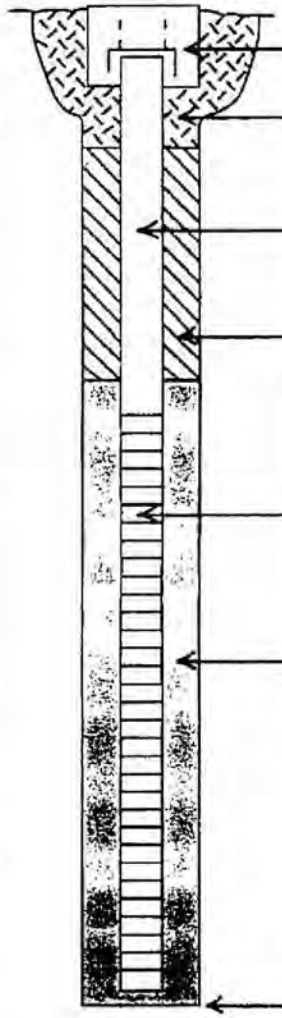
Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 47

Work/Decommission Start Date 10-23-18

Work/Decommission Completed Date 10-23-18

Construction/Design	Well Data	Formation Description
	MONUMENT TYPE: 8in flush CONCRETE SURFACE SEAL: 2 ft. PVC BLANK: 2in "x 40 ' BACKFILL: 37 ft. TYPE: Bentonite Chips PVC SCREEN: 2 "x 20ft SLOT SIZE: .010 TYPE: PVC GRAVEL PACK: 21 ft. MATERIAL: 12x20 WELL DEPTH: 60 ' "	0 - 6 ft. FILL 6 - 60 ft. Till w/ some fine sand seams. - ft. - ft. - ft.

REMARKS

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DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* RE16589

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL 073

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) C Fehrn

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3178

If trainee, licensed driller's Signature and License No.

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave S.

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One ☒ EWM ☐ WWM

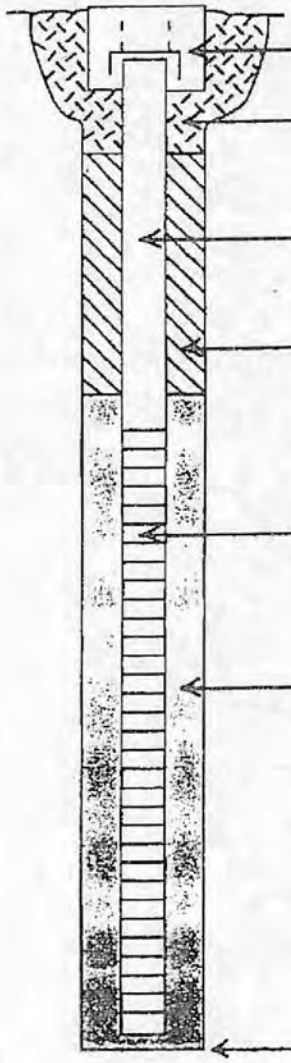
Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No.

Cased or Uncased Diameter 6" Static Level

Work/Decommission Start Date 10/15/18

Work/Decommission Completed Date 10/15/18



Construction/Design

Well Data

MONUMENT TYPE: Flush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 3/8 "x '

BACKFILL 2ft 4" ft.

TYPE: #3 crumbles

PVC SCREEN "x '

SLOT SIZE: Fine Mesh

TYPE: 6" Stainless Vapor

GRAVEL PACK 8" ft.

MATERIAL: 10/20

WELL DEPTH 5.6 "

Formation Description

0 - ft.

- ft.

No Samples Vac cleared Vapor wells

- ft.

- ft.

- ft.

REMARKS

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-079

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature _____

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12805 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One ☒ BWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

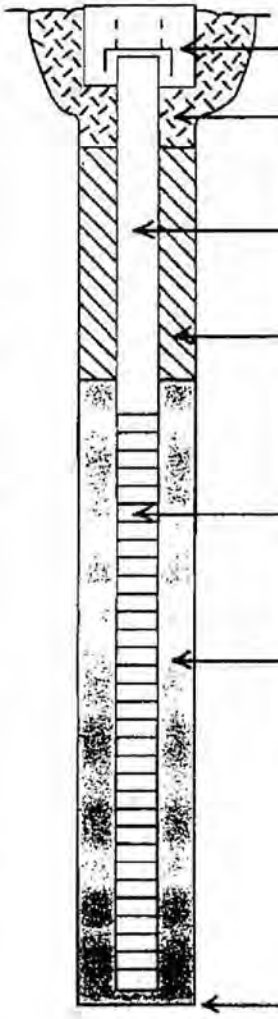
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 51.5

Work/Decommission Start Date 10-30-18

Work/Decommission Completed Date 10-30-18

Construction/Design



Well Data

MONUMENT TYPE: Sinflush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40ft

BACKFILL 37 ft.

TYPE: Bentonite chips

PVC SCREEN 2 "x 20ft

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 60 ' "

Formation Description

0 - 3 ft. FILL

3 - 60 ft. TILL w/some sand seams.

_____ - _____ ft.

_____ - _____ ft.

_____ - _____ ft.

REMARKS

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DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

Please print, sign and return by mail to Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. RE16589

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *(select one)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Consulting Firm GHD

Unique Ecology Well ID Tag No. BKL-078

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) David Dickinson

Driller/Engineer /Trainee Signature [signature]

Driller or Trainee License No. 3017

If trainee, licensed driller's Signature and License No. _____

Type of Well *(select one)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Eui Jung Cha

Site Address 12905 1st Ave South

City Burien County King

Location NE 1/4-1/4 NE 1/4 Sec 18 Twn 23 R 4 Select One ☒ BWM ☐ WWM

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

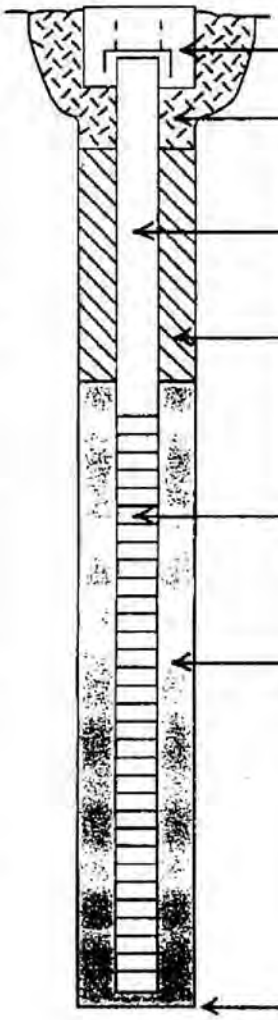
Tax Parcel No. _____

Cased or Uncased Diameter 6 Static Level 52

Work/Decommission Start Date 10-29-18

Work/Decommission Completed Date 10-29-18

Construction/Design



Well Data

MONUMENT TYPE: Sinflush

CONCRETE SURFACE SEAL 2 ft.

PVC BLANK 2 "x 40ft

BACKFILL 37 ft.

TYPE: Bentonite Chips

PVC SCREEN 2 "x 20ft.

SLOT SIZE: 0.010

TYPE: PVC

GRAVEL PACK 21 ft.

MATERIAL: 12x20 sand

WELL DEPTH 60 "

Formation Description

0 - 3 ft.
Fill

3 - 60 ft.
Till w/ some sand seams.

_____ - _____ ft.

_____ - _____ ft.

_____ - _____ ft.

REMARKS

RECEIVED
DEPT OF ECOLOGY
JAN 31 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

EIVED
0 6 2009
s Program

23-4E-8N
COP 2701476 (2008)
GW-1

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other ____

DIMENSIONS: Diameter of well 24 inches. Depth of completed well ____ ft. If known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name ____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. ____ Slot Size ____ from ____ ft. to ____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from ____ ft. to ____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth ____ ft
Materials used if known: ____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name ____
Type: ____ H.P. ____

WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static Level 48.74 ft. below top of casing Date measured 11/3/09
Artesian pressure ____ lbs. per square inch Date measured ____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Unique Ecology Well ID Tag No. ALS 967
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jans Investment Inc
Well Street Address 12060 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380/adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E BWM or WWM (Circle one)

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Stantec Consulting Project Manager) Drilling Company ____
Signature ____
Driller License No. ____
Date Signed ____
Address of person completing this form: 12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

COP 2701476 (2008)

GW-4

23-4E-8N

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 12 inches. Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mfr's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 79.10 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 965
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jims Investment Inc
Well Street Address 2660 1st Avenue South
City Renton/Seattle County: King
Tax Parcel No. 1446800380/adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E SWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other

Name Robert Lund (Shannon Consulting Project Manager) Drilling Company _____

Signature _____

Driller License No. _____

Date Signed _____

Address of person completing this form:
12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

GAP 2701476(206)

GW-6

23-4E-8N

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 24 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials packed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 38.52 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 557
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Juns Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380/adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office.
Sec 9 Twn 23N R 04E SWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____
Signature _____
Driller License No. _____
Date Signed _____
Address of person completing this form:
12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

COP 2701476(20a

GW-7

23-4E-8N

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 1"X2" inches. Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 76.58 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 969
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jung Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800360 / adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 8 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other

Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____

Signature _____

Driller License No. _____

Date Signed _____

Address of person completing this form:
12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

AGO 2701476 (2008)
GW-8
23-4E-8N

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 8 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown MFr's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No MFr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 18.20 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. AES 974
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Juns Investment Inc
Well Street Address 2660 1st Avenue South
City Renton/Seattle County: King
Tax Parcel No. 1446000350 / adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 8 Twn 23N R 04E EWM or WWM (Circle one)

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____
Signature _____
Address of person completing this form:
12034 134th Ct NE Ste 102
Driller License No. _____
Date Signed _____
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED

JAN 06 2009

Water Resources Program
Department of Ecology

GWP 270147 6/2008

GW-9

23-4E-8N

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 8 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown MFr's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No MFr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 78.12 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 975
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Juns Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380 / adjacent 1446400005

LOCATION

An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.

Sec 8 Twn 23N R 04E (EWM or WWM) Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other

Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____

Signature _____ Address of person completing this form:
12034 134th Ct NE Ste 102

Driller License No. _____ City, State, Zip Redmond, WA 98052

Date Signed _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

COP 2701476/2004
GW-10

WATER WELL REPORT
FOR AN EXISTING WELL

23-4E-8N

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 8 inches. Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 78.92 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 972
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Juns Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800360/adjacent wells 1446400025

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 8 Twn 23N R 04E (EWM or WWM — Circle one)

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other

Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____

Signature _____

Driller License No. _____

Date Signed _____

Address of person completing this form:
12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

GP 2701476(20
GW-11

WATER WELL REPORT
FOR AN EXISTING WELL

23-4E-8N

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 24 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs: ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 19.91 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal/min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 558
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jims Investment Inc
Well Street Address 12060 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1441600380 / adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E BWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other

Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____

Signature _____

Driller License No. _____

Date Signed _____

Address of person completing this form:
12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

COP 27014766206

GW-12

WATER WELL REPORT
FOR AN EXISTING WELL

23-4E-9N

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 12 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials packed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 60.90 ft. below top of casing Date measured 11/13/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 560
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Juns Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380/adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E (EWM or WWM) Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Shannec Consulting Project Manager) Drilling Company _____
Signature _____
Address of person completing this form:
12034 134th Ct NE Ste 102
Driller License No. _____
Date Signed _____
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

23-4E-8N
COP 270147 6/2008
GW-2

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 24 inches. Depth of completed well _____ ft. If known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 41.22 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 997
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jans Investment Inc
Well Street Address 12060 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380 / adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E SW¼ or W¼M Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sect 29/20
Long Deg -122 Long Min/Sect 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Shannec Consulting Project Manager) Drilling Company _____
Signature _____ Address of person completing this form: 12034 134th Ct NE Ste 102
Driller License No. _____ City, State, Zip Redmond, WA 98052
Date Signed _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
JAN 06 2009
Water Resources Program
Department of Ecology

23-4E-8N
COP 2701476/2008
GW-3

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 12 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 81.95 ft. below top of casing Date measured 11/3/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 559
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Jans Investment Inc
Well Street Address 12660 1st Avenue South
City Burien/Seattle County: King
Tax Parcel No. 1446800380/adjacent wells 1446400005

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 9 Twn 23N R 04E BWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
(N)	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47 Lat Min/Sec 29/20
Long Deg -122 Long Min/Sec 20/01
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other
Name Robert Lund (Stantec Consulting Project Manager) Drilling Company _____
Signature _____ Address of person completing this form:
Driller License No. _____ 12034 134th Ct NE Ste 102
Date Signed _____ City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
NOV 11 2009
Water Resources Program
Department of Ecology

23-4E-7R

COP 256382(1572)

MW-3

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well ~~8x8~~ inches. ~~Vault~~ 2" diameter Depth of completed well 62.5 ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☒ Yes ~~☐ No~~ (24) Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 51.62 ft. below top of casing Date measured 11/4/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 561
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.72544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

RECEIVED
DEPARTMENT OF ECOLOGY
APR 01 2010
WATER RESOURCES PROGRAM
NWRO

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other – Project Mgr.

Name Kirk Fetterly (Stratum Consulting)
Signature K. A. Stratum
Driller License No. Unknown - installed 2010
Date Signed 3/30/10

Drilling Company Unknown
Address of person completing this form: 12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

23-4E-7R

RECEIVED

NOV 11 2009

Water Resources Program
Department of Ecology

COP 256382(1572)

MW-4

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well ~~8"~~ ~~inches~~. vault
2" diam Depth of completed well 59.5 ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☒ Yes ~~☐ No~~ JP Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft. Unknown obstruction
Static Level _____ ft. below top of casing Date measured _____
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBE 457
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E BWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.77544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

RECEIVED
DEPARTMENT OF ECOLOGY
APR 01 2010
WATER RESOURCES PROGRAM
NWRO

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other - Project mgr.
Name Rick Fetterly (Shannon Consulting) Drilling Company Unknown
Signature R. A. Fetterly Address of person completing this form: 12034 134th Ct NE Ste 102
Driller License No. Unknown installed 1990 City, State, Zip Redmond, WA 98052
Date Signed 3/30/10

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED 23-4E-7R

NOV 11 2009

Water Resources Program
Department of Ecology

COP 256382(1572)

MW-5

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 12 inches. Depth of completed well 42.5 ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mffr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 32.07 ft. below top of casing Date measured 5/23/03
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 451
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec. 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.72544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

RECEIVED
DEPARTMENT OF ECOLOGY
APR 01 2010
WATER RESOURCES PROGRAM
NWRO

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other - Project Mgr.

Name Rick Fetterly (Shannon Consulting)
Signature J. A. Fetterly
Driller License No. Unknown - installed MW
Date Signed 3/30/10

Drilling Company Unknown
Address of person completing this form: 12034 130th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED 23-4E-7R

NOV 11 2009

COP 256382(1572)

MW-7

Water Resources Program
Department of Ecology

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 2 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials packed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 44.90 ft. below top of casing Date measured _____
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 933
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.72544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

RECEIVED
DEPARTMENT OF ECOLOGY
APR 01 2010
WATER RESOURCES PROGRAM
NWRO

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other - Project Mgr.

Name Rick Fetterly (Shannon Consulting)
Signature R. A. Fetterly
Driller License No. Unknown - prior to 1990
Date Signed 3/30/10

Drilling Company Unknown
Address of person completing this form: 12034 134th CT NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
NOV 11 2009
Water Resources Program
Department of Ecology

23-4E-7R

COP 256382(1572)
MW-9

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 2 inches.
Depth of completed well _____ ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 64.95 ft. below top of casing Date measured 11/4/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 934
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.77544 Lat Min/Sect _____
Long Deg -122.33080 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

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CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other - Project Mgr.

Name Rick Fetterly (Shuster Consulting)
Signature R. A. Fetterly
Driller License No. unknown - prior to 1990
Date Signed 3/30/10

Drilling Company unknown
Address of person completing this form: 12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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COP 256382(1572)

MW-10

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well ~~2"~~ inches. vault 2" diameter Depth of completed well 60.5 ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☐ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☒ Yes ☐ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 52.62 ft. below top of casing Date measured 11/4/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. APH 751
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.72544 Lat Min/Sec _____
Long Deg -122.33060 Long Min/Sec _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

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CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other – Project mgr.
Name Rick Fetterly (Stantec Consulting)
Signature R. A. Fetterly
Driller License No. Not available - installed in 1992
Date Signed 3/30/10
Drilling Company Cascade Drilling Inc.
Address of person completing this form: 12034 134th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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Water Resources Program
Department of Ecology

23-4E-7R

COP 256382(1572)

MW-11

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well 2 inches.
Depth of completed well 58.5 ft. if known.

CONSTRUCTION DETAILS
Liner installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials packed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth _____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☐ Yes ☒ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 53.05 ft. below top of casing Date measured 11/4/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy
☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. ALS 932
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.72544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

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CERTIFICATION: The information reported above is true to the best of my knowledge and belief.
☐ Driller ☐ Engineer ☐ Property Owner ☒ Other – Project Mgr.

Name Rick Fetherly (Stainter Consulting)
Signature J. A. Fetherly
Driller License No. Not available - drilled 1992
Date Signed 3/30/10

Drilling Company Cascade Drilling
Address of person completing this form: 12034 130th Ct NE Ste 102
City, State, Zip Redmond, WA 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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MW-12

WATER WELL REPORT
FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form if an original water well report was NEVER filed or is MISSING from Ecology records.

YOUR WELL MUST BE PROPERLY TAGGED PRIOR TO SUBMITTING THIS FORM. Please fill in all blanks as completely as possible. If information is not known leave blank. After completing, mail the original form to: WA State Department of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

DIMENSIONS: Diameter of well ~~2"~~ ~~inches~~. vault 2" diameter Depth of completed well 50.0 ft. if known.

CONSTRUCTION DETAILS
Liner Installed ☒ Yes ☐ No ☐ Unknown
Type: ☒ PVC ☐ Steel ☐ Concrete Liner ☐ Other ☐ Unknown

Perforations ☐ Yes ☐ No ☒ Unknown
SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft to ____ ft.

Screens: ☒ Yes ☐ No ☐ Unknown Mf's name _____
Type: ☐ Stainless Steel ☒ PVC ☐ Other
Diam. _____ Slot Size _____ from _____ ft. to _____ ft.

Gravel/Filter Packed: ☒ Yes ☐ No ☐ Unknown
Materials paced from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No ☐ Unknown If know, to what depth ____ ft
Materials used if known: _____ ☐ Bentonite ☐ Cement

PUMP: ☒ Yes ☐ No Mfr's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static Level 53.55 ft. below top of casing Date measured 11/4/09
Artesian pressure _____ lbs. per square inch Date measured _____
Well head has cap? ☒ Yes ☐ No Shut off valve? ☐ Yes ☒ No

WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes ☒ No If yes, attach copy ☐ Unknown
Yield: ____ gal./min. with _____ ft. drawdown after _____ hrs.

Unique Ecology Well ID Tag No. BBF 458
Water Right? If yes, attach copy ☐ Yes ☒ No
Property Owner Name Kim Jason
Well Street Address 12805 1st Ave South
City Seattle County: King
Tax Parcel No. 0084000030

LOCATION
An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through yor county assessor's office.
Sec. 7 Twn 23N R 04E EWM or WWM Circle one

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	(R)

This square represents one section of land, which is approx. 640 acres. Within this section, circle the letter that best represents the location of the well within this section.

Latitude/Longitude Note: Section, Township, Range still REQUIRED
Lat Deg 47.77544 Lat Min/Sect _____
Long Deg -122.33060 Long Min/Sect _____
☐ GPS ☐ Survey
☒ Topographic Map ☐ Computer Generated
Additional Information, if available:
☐ Location marked on topographic map (please attach)
☐ Location marked on air photo (please attach)

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CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

☐ Driller ☐ Engineer ☐ Property Owner ☒ Other - project mgr.

Name Rick Fetterly (Shannon Consulting) Drilling Company Cascade Drilling Inc.
Signature R. A. Fetterly Address of person completing this form: 12034 130th Ct NE Ste 102
Driller License No. Not available-drilled 1992 City, State, Zip Redmond, WA 98052
Date Signed 3/30/10